

**WEIR FARM
HISTORIC STRUCTURES REPORT**

**Weir Farm National Historic Site
Wilton, Connecticut**

**VOLUME I
The Site and the Weir Complex**

APPENDICES

By

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Northeast Cultural Resources Center
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Lowell, Massachusetts

FACILITY MANAGER

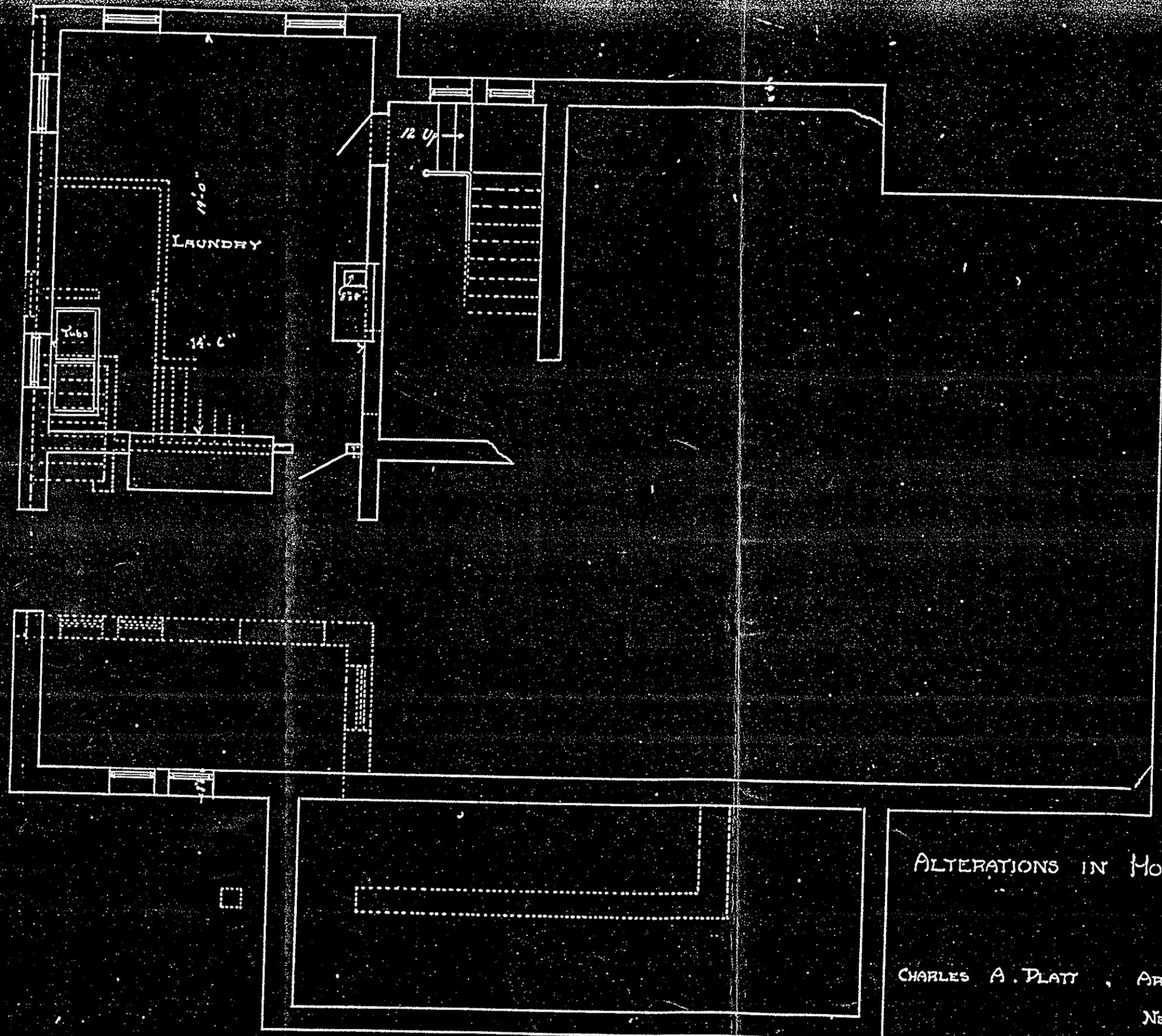
1995, 1998

**NATIONAL PARK SERVICE
Weir Farm NHS
735 Nod Hill Road
Wilton, CT 06897**

5/17/06

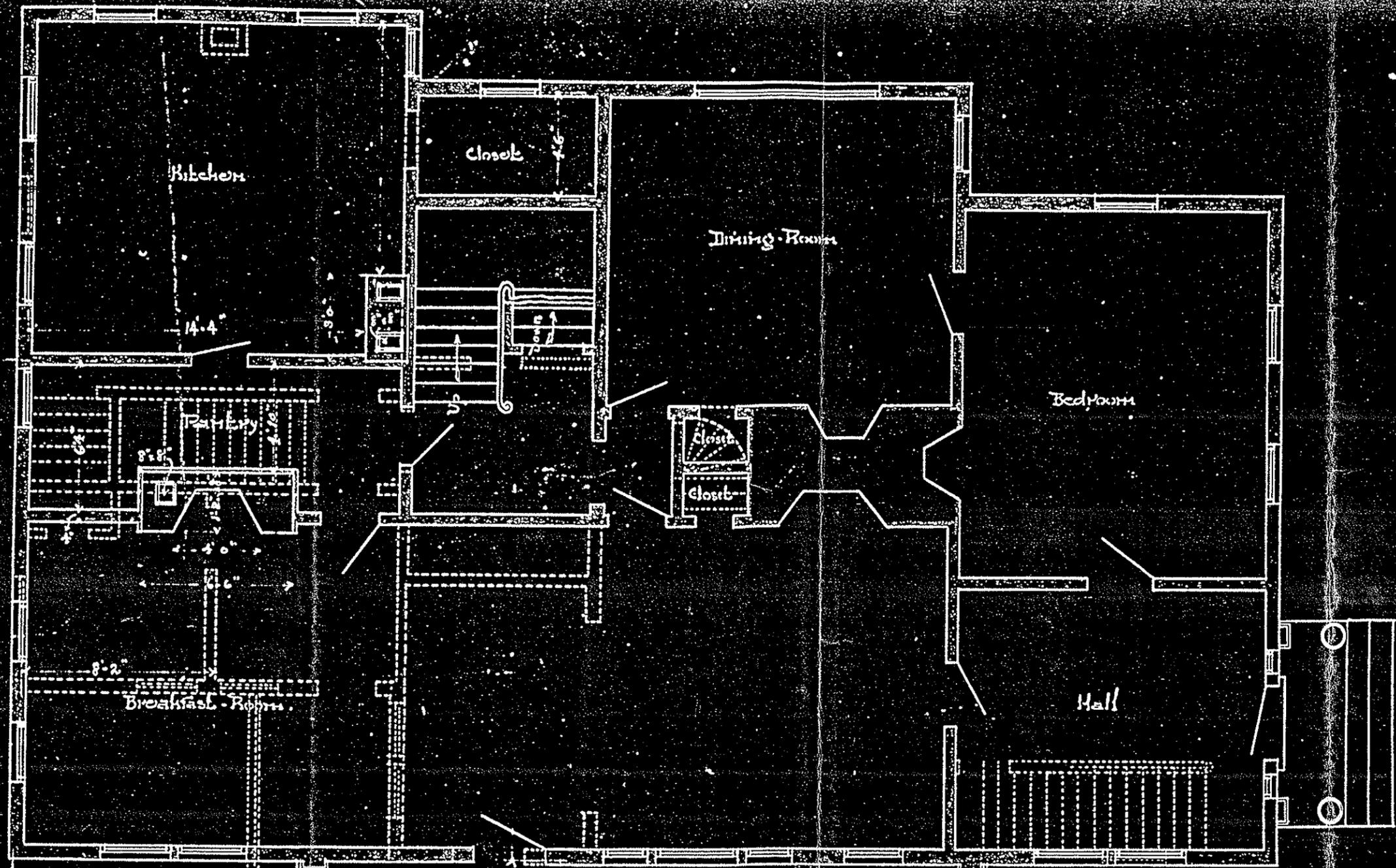
APPENDIX A
1900 PLATT DRAWINGS and SPECIFICATIONS
for
ALTERATIONS to WEIR HOUSE

Charles Platt . 1900



ALTERATIONS IN HOUSE OF
MR . J . ALDEN WEIR
CHARLES A . PLATT , ARCHITECT
NEW YORK
BRANCHVILLE , CONN
1/4" = 1'-0"

BASEMENT PLAN
Note :- Dotted Lines indicate Old Construction

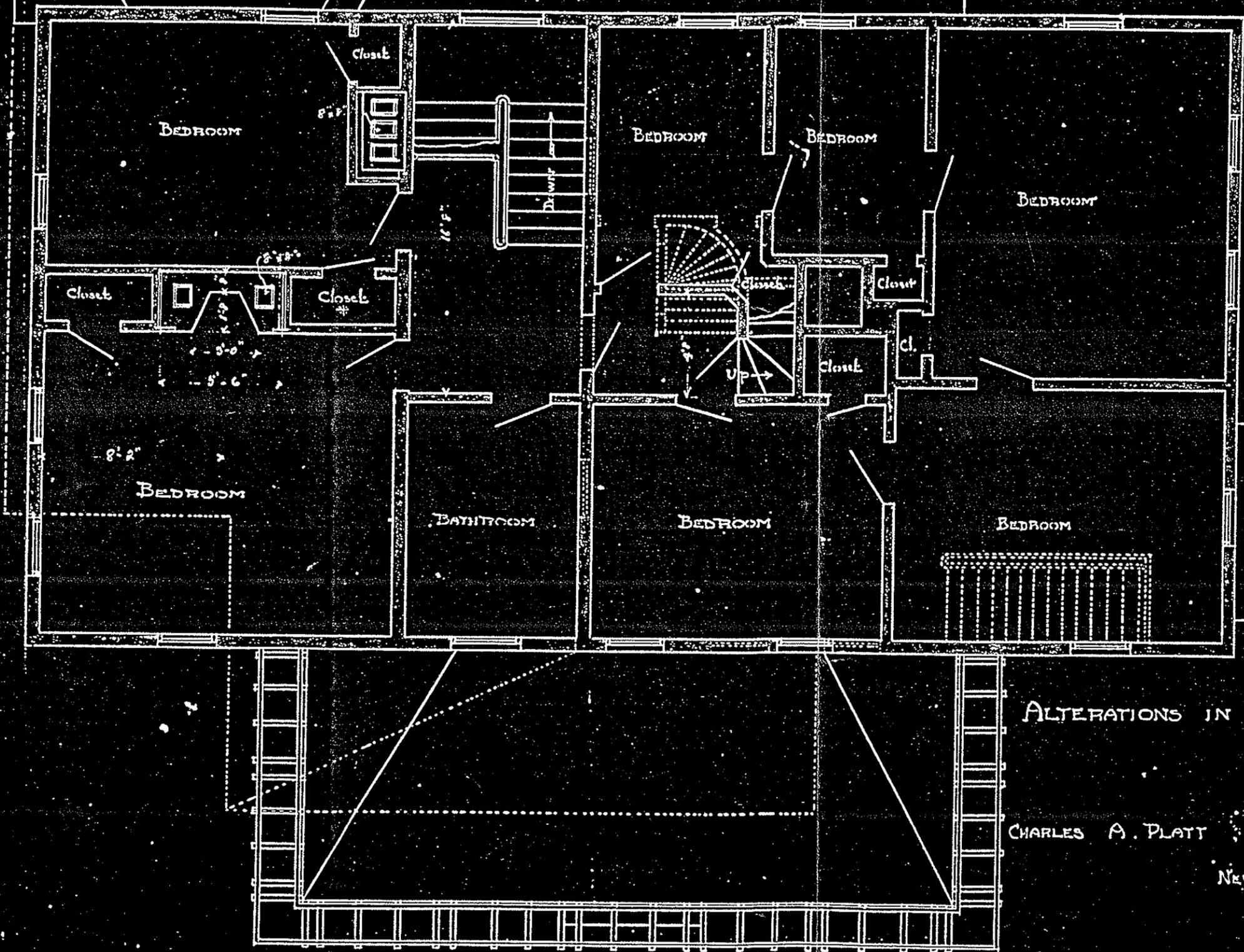


Note: Dotted Lines indicate Old Construction

ALTERATIONS IN HOUSE OF
 MR. J. ALDEN WEIR
 CHARLES A. PLAYY, ARCHITECT
 NEW YORK
 BRANCHVILLE, CONN.
 1/4 - 8 '0

21'-0"

FIRST FLOOR PLAN



Note: Dotted Line over
 * Bedroom Closet shows position of
 Water-Tank in Attic

ALTERATIONS IN HOUSE OF
 MR. J. ALDEN WEIR
 CHARLES A. PLATT ARCHITECT
 NEW YORK
 BRANCHVILLE, CONN.
 1/4" = 1'0"

SECOND FLOOR PLAN
 Note: Dotted Lines indicate Old Construction



EAST ELEVATION .

ALTERATIONS IN HOUSE OF

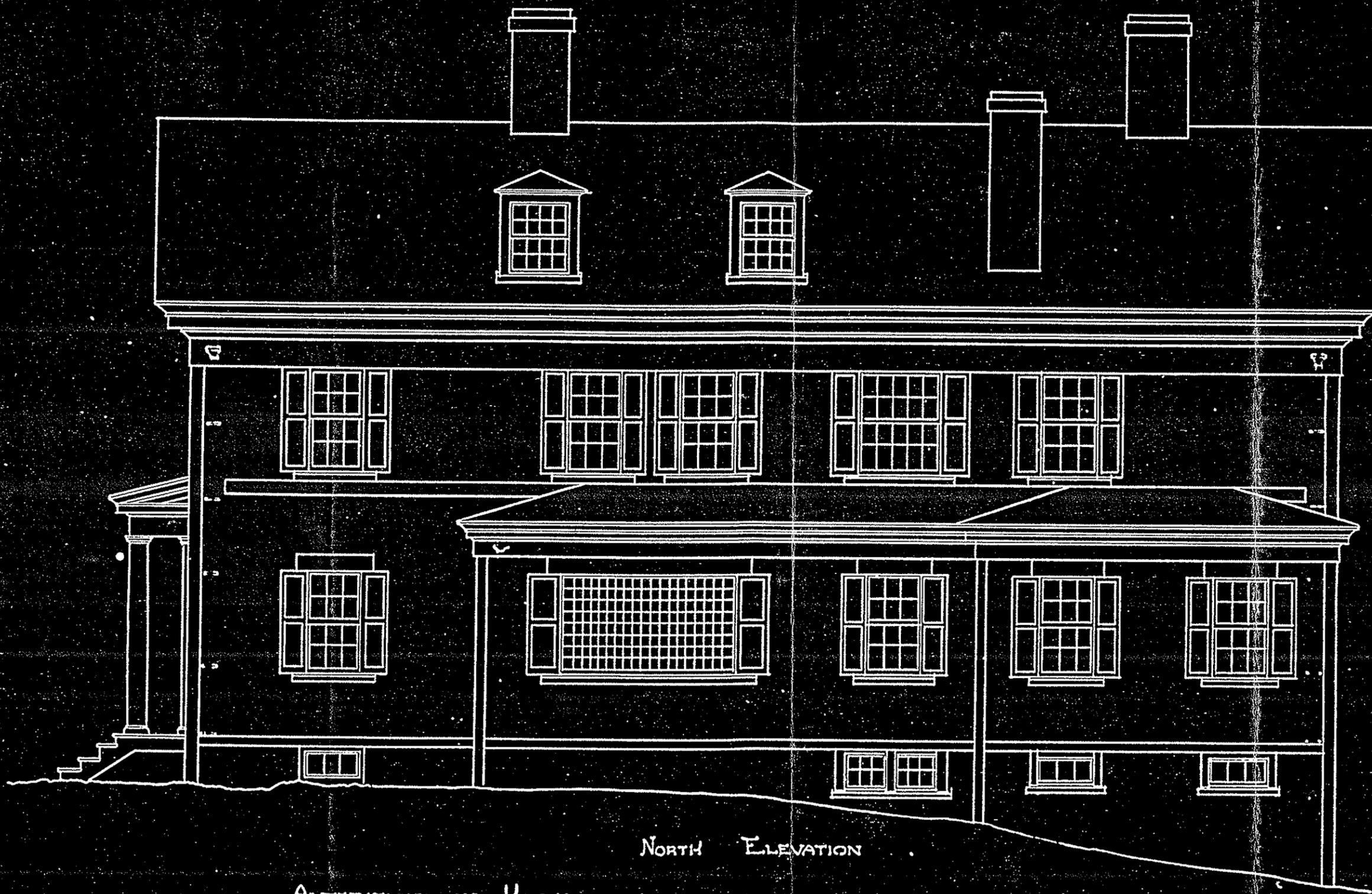
MR. J. ALDEN WEIR .

CHARLES A. PLATT, ARCHITECT .
NEW YORK .

BRANCHVILLE, CONNECTICUT .

1/4" = 1'0"

4



NORTH ELEVATION

ALTERATIONS IN HOUSE OF

MR. J. ALDEN WEIR

CHARLES A. PLATT, ARCHITECT

NEW YORK

BRANCHVILLE

CONNECTICUT

6



SOUTH ELEVATION

ALTERATIONS IN HOUSE OF
MR. J. ALDEN WEIR,
CHARLES A. PLATT, ARCHITECT, NEW YORK
BRANCHVILLE, CONNECTICUT
1/4" = 1'0"

S P E C I F I C A T I O N

-for-

ALTERATIONS AND IMPROVEMENT

to House of

J. ALDEN WIER, ESQ.,

at

Branchville, Ct.

CHAS. A. PLATT,
Architect

107 East 27th Street,

New York.

The contract price
for completing the job
according to plans &
specifications is \$2600.
excepting the following
which is extra.

Sinks for kitchen
- butter pantry &
piping for same
flooring for laundry
new trim & plastering
side walls of sitting room
all painting & varnishing
to be done by owner -

J. Alden Weir

Michael, Connery
July 16th 1900

MASON WORK.

STONE MASON WORK:-

Excavate for laundry so as to give 7-1/2 ft. ceiling. Build wall on North side of laundry and west side of whole building turning East to connect with old wall. Take down old wall east side of laundry and lay foundation for sill. Build wall on south side of laundry about 2 ft. high and lay dead work for chimney level with first floor.

Build stonework under verandah as shown, also build a stonework under front porch and cement the laundry floor.

Chimneys to be built as shown on plan except on first floor where fireplace shall be five feet wide, instead of four, and four feet high with hearth-stone 3 x 7. Sidestones 2-1/2 x 4. Backlined ^{selected burnt} with brick.

Chimney to be built on a deadwork from first floor. All chimneys ^{of sound hard burned brick} to have flat stones on top.

All new part to be plastered two coats, hard finish.

Ceiling in old breakfast room and in hall to be replastered. *floor to be cemented, sleepers & floors on top of them.*

Laundry to be plastered both ceiling and sides, and all necessary patching done to old walls.

All work to be done in good and workmanlike manner

Build all flues as shown in plan, thoroughly point all flues both inside & out & leave the same perfectly free from obstruction. At the close of the work, every precaution taken to insure good draughts -

CARPENTER WORK.

SCANTLINGS:-

Timber to be of spruce.

Sills 6 x 6.

Studding 2 x 4.

Floor joist 2 x 8.

Plates 2 x 4 doubled.

Rafters 2 x 7 all to be spiked and nailed together in strongest manner possible.

all beams throughout to be well bridged with two rows each set of 1 x 3, bearing
COVERING:- *long cross bridging well nailed*

Building to be sheathed with N. C. sheathing 8 inches wide with two nails to every bearing and covered with white pine siding ~~as per detail, 7/8" thick and 10" wide.~~ *No 1 Bevel siding -*

Neponset building paper between sheathing and siding. Studding all inside partitions to have 2 x 4 studs to be set 12 in. center 2 to be
FLOORING:- *well cross bridged. 4 x 4 for doors & windows*

Flooring in Breakfast room and pantry to be of ~~red~~ *white* oak 7/8" x 2".

All flooring on second floor and attic to be of N. C. pine rived ³ inches wide. Verandah floor to be of N. C. 1 1/4

pine. New floor and steps to be put on front steps of N. C.

pine. *Floors in any case to run out to the walls full*

Flooring in bedroom over old stairs to be of N. C. pine.

Flooring in hall to be of oak and furnished by Owner.

CEILING:-

Ceiling of attice to be of N. C. 1 x 4.

Bathroom to be wainscotted 4 ft. with 1/2 inch N. C. ceiling.

Stairs to be built as shown on plan 1-1/4 tread 7/8 rise, risers white pine, treads oak. N.C.P.

WINDOWS:-

Seven new windows 9 x 13 twelve light and one twenty light window same size. All to be hung with weights and pulleys.

Four basement windows 7 x 9 twelve light.

Five dormer windows as shown on plan to be clap-boarded on sides and shingled on top.

DOORS:-

All doors to be furnished by Owner excepting two panel doors in laundry, two outside doors in basement and all closet doors which are to be furnished by contractor.

all blinds to have thick twisted slats

BLINDS:-

Blinds to be hung ~~but not~~ painted. Thirty three in number. *with two coats of green paint*
all blinds to have required hardware throughout with the strongest kind of strap hinges

SHINGLES:-

New part to be shingled with cedar shingles furnished by contractor.

South roof on old house to be re-shingled with shingles furnished by Owner.

CORNICE:-

Cornice made to correspond with that on old part, contractor having privilege to use cornice taken from old gable end.

VERANDAH:-

Verandah to be built as per detail with columns to correspond with old part. Railing and cornice of white pine. Ceiling plastered and roof covered with best quality roofing canvas.

Water pipes from the kitchen sink, Butlers pantry & Wash tubs to go through wall on West side to be connected with old drain. Waste pipe from bath room to go out on North side for a separate drain -

PLUMBING & TIN WORK.

Water to flow from the bottom of bath tub with faucet not connected with tub for filling pitcher.

Furnish 6 ft. porcelain-lined bath-tub with seat for closet, marble wash bowl (nickel trimmed) and necessary pipes for each.

~~Line tank in garret 6 x 6 x 4 with zinc.~~ Connect pipes from tank with stationary tubs in laundry, also with sink in kitchen, ^{in kitchen} to pipe in outer wall, which pipe is to be furnished by owner.

Furnish and set the stationary tubs, and connect closet by 4 in. pipe to outer wall.

All plumbing work to be open and pipes painted black.

All faucets and trimmings necessary to complete job to be furnished by contractor, also furnish material and lay tin roof on extension on north end as shown on plan.

SUNDRIES.

~~Tank to be built in attic of 2 inch plank fastened together with bolts, lined with zinc. Size 6 x 6 x 4.~~

Two front windows marked "old windows" on plan to be furnished by owner, but put in place by contractor.

Trim on doors and windows to correspond with trim on old part.

Hardware plain, porcelain knobs, and locks.

Hanging gutter of galvanized iron on south side of house. ^{to north} hang the eaves by straps that run, well up under the shingles, connect the down to conductor by goose neck

Leader connected with cistern. Same on North side new part connected with gutter on old part.

PAINTING.

EXTERIOR:-

The entire exterior of building to receive ^{two} ~~three~~ coats of ^{Venetian Red} ~~white lead~~ and linseed oil or equivalent, the knots having been previously shellaced. Floor of verandah and porch ^{one} ~~two~~ coats of ^{shellac + two coats of spar varnish} ~~boiled linseed oil~~.

Roof of Verandah: back of canvas to be painted one heavy coat of lead before being tacked on, and the top to be painted 2 coats of lead.

INTERIOR:-

All standing trim of white pine in new part and old part where necessary to be painted ² ~~3~~ coats of white lead or equivalent, colors to be selected by *owner*

Standing trim N. C. Pine in Pantry and Bath Room, etc., 2 coats white shellac.

FLOORS:-

All oak floors to be filled and waxed, all N. C. floors to be shellaced 2 coats white shellac.

1st. To give his personal and constant attention to the work and to have a competent foreman at all times present and in superintendence of the work; that he will not sublet or assign any portion of the work except by written permission of the architect and that he will prosecute the work as fast as weather and good workmanship will allow.

2nd. To set out from the plans and be responsible for the correct setting out of the several works, and for the accuracy of the several dimensions of the same.

3rd. To provide all manner of materials and labor, including all transportation, scaffolding, apparatus, utensils and other accessories necessary for the due performance of the work, and agrees that each mechanic shall render prompt, willing and thorough assistance to the other mechanics in every way in which his special work can be of service.

4th. That all work shown on the drawings or described in these specifications, and all work reasonably implied by the same, and all work necessary to the proper completion of the work so shown, described or implied shall be performed in a faithful and workmanlike manner, of new materials of the best marketable quality and best adapted to the purpose when the materials or quality are not specified, and such work and materials shall be considered as included in the contract.

5th. That the architect, or his representative, shall at all times have free access to the work, and shall at all times be permitted to examine and inspect all materials and work at all stages of preparation, and that he will furnish proper evidence of the quality and suitability of any material used or to be used in the building; that the building shall be kept cleaned out, and dirt, rubbish and surplus materials of every description shall be removed during the progress of the work.

6th. That the architect shall be the sole interpreter of the true intent and meaning of the drawings and specifications and that his decision shall be final in any and all cases, as to the said intent.

7th. That if any person employed by him shall appear to the architect to be incompetent or unskillful, such person shall be discharged immediately on request of said architect and shall not be again employed on this work.

8th. That all work is to be done in accordance with the figures on the drawings, though differing from the scale, and that in case of any necessary figures lacking, or of any or all discrepancies in figures, the matter shall be immediately submitted to the architect for his decision and without such decision said discrepancy shall not be adjusted by the contractor save and only at his own risk, and in the settlement of any complications arising from such adjustment that the contractor shall bear all the extra expenses involved.

9th. That if any work is mentioned in the specifications and is not shown in the drawings, or if work is shown on the drawings and not mentioned in the specifications, he will execute such work in the same manner as if it were both mentioned in the specifications and shown on the drawings; and that if the drawings and specifications differ, the architect shall decide which shall be followed.

10th. That the plans and specifications are the property of the architect and are to be used for this building only; that no part of them is to be copied and no alteration of them is to be made by him, and that he will be responsible for the safe keeping of all drawings and writings delivered to him, and will return them to the architect on the completion of the work, and that no drawings or writings shall be used for any part of this work that have not been made by the architect, or received his written approval and signature.

11th. That he will protect and watch the work until it is completed, and delivered to the owner; that he will, if the architect deem it necessary, erect a temporary privy for the use of his men, which shall be kept in good order and cleaned out from time to time, and that he will be answerable for all damage, injury or delay caused to other contractors, to neighboring premises, or to the persons and property of the public, by himself or his men, or through any operation under his charge, whether in contract or extra work.

12th. That all work or materials in or designed for the buildings shall be at all times suitably housed, covered and protected during the progress of the work; that all work and materials furnished by the owner shall be cared for and protected by contractor, and that all work will be left sound, clean and perfect, and in good running order on the completion of the building.

13th. That any work or materials not according to drawings and specifications may be rejected by the architect at any time, before or after completion, and shall be removed and replaced without delay, by proper work or materials at the contractor's expense or a proper allowance be made to the owner by the contractor as the owner may decide, and he shall produce, when called upon by the architect, vouchers from the sub-contractors to show that the work is being paid for as it proceeds.

APPENDIX B
1911 MCKIM, MEAD & WHITE DRAWINGS
for
ALTERATIONS to WEIR HOUSE

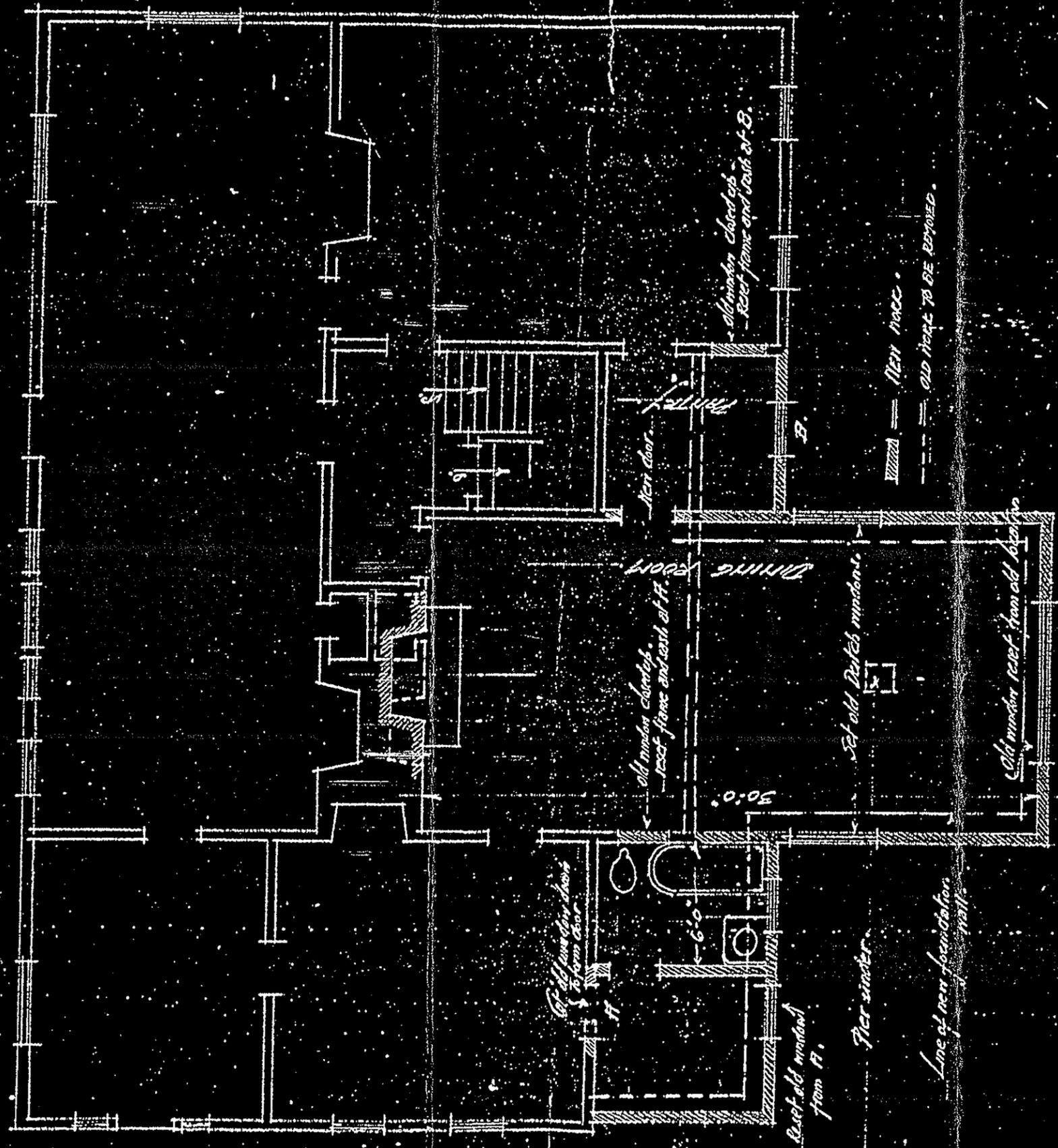


NORTH ELEVATION

Length = 1'-0"

Alteration to house in T. H. Verr, Esq.
Branford, Conn.

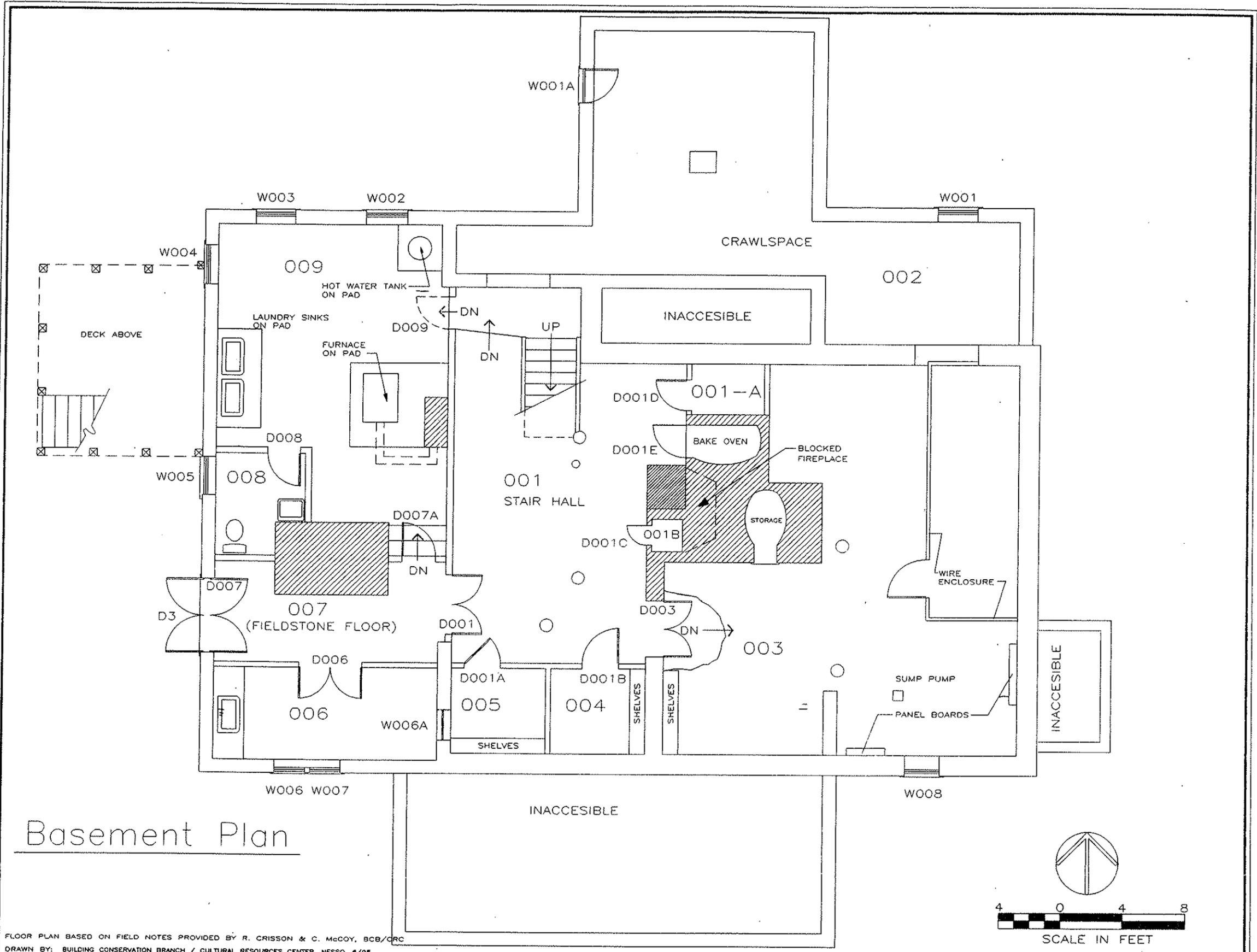
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FIRST FLOOR PLAN. FOOTING TO HAVE THE JARVIS WARE, ETC.
 Scale 1/4" = 1'-0"
 BRANCHVILLE, CONN.

R. J. Johnson
 Archt.

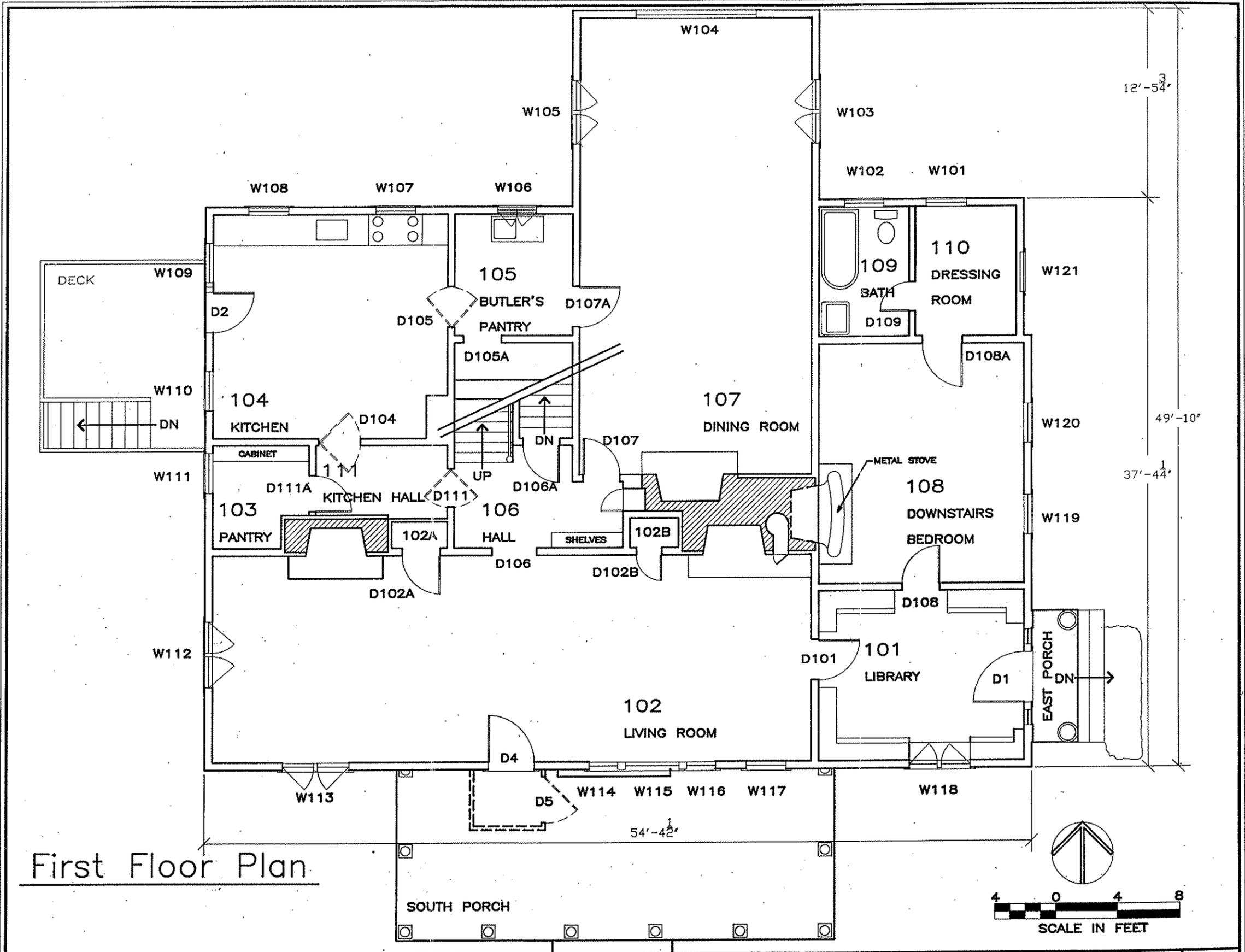
APPENDIX C
1995 MEASURED DRAWINGS
WEIR HOUSE, WEIR STUDIO, YOUNG STUDIO



Basement Plan

FLOOR PLAN BASED ON FIELD NOTES PROVIDED BY R. CRISSON & C. MCCOY, BCB/CRC
 DRAWN BY: BUILDING CONSERVATION BRANCH / CULTURAL RESOURCES CENTER, NESSO, 6/95

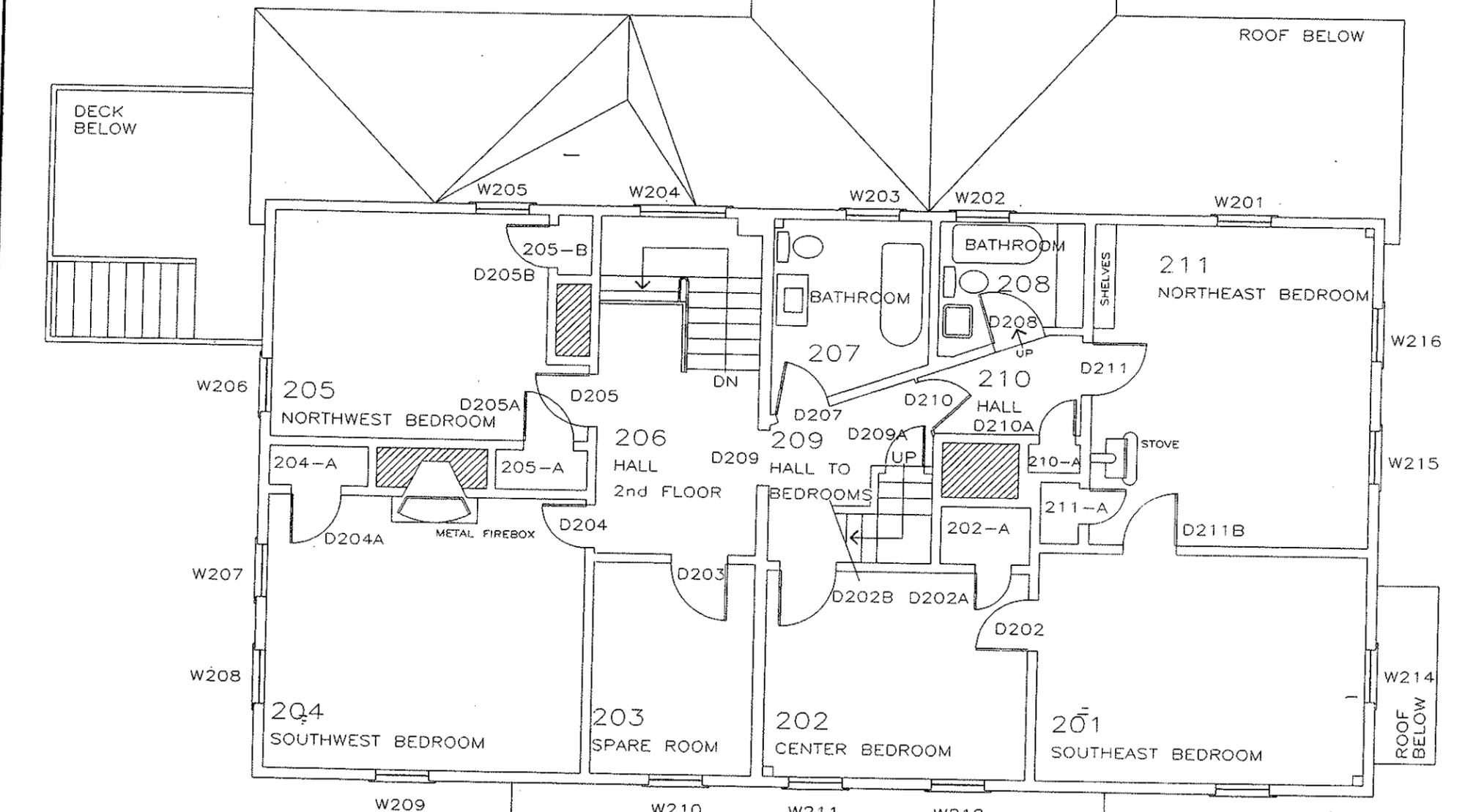
UNDER DIRECTION OF THE NATIONAL PARK SERVICE, UNITED STATES DEPARTMENT OF THE INTERIOR	NAME AND LOCATION OF STRUCTURE J. ALDEN WEIR HOUSE WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT	SURVEY NO.	HISTORIC AMERICAN BUILDINGS SURVEY SHEET OF SHEETS	LIBRARY OF CONGRESS SHEET NUMBER
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First Floor Plan

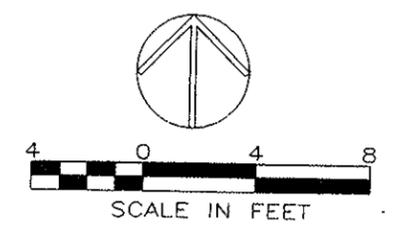
J. ALDEN WEIR HOUSE
 WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT

HISTORIC AMERICAN
 BUILDINGS SURVEY

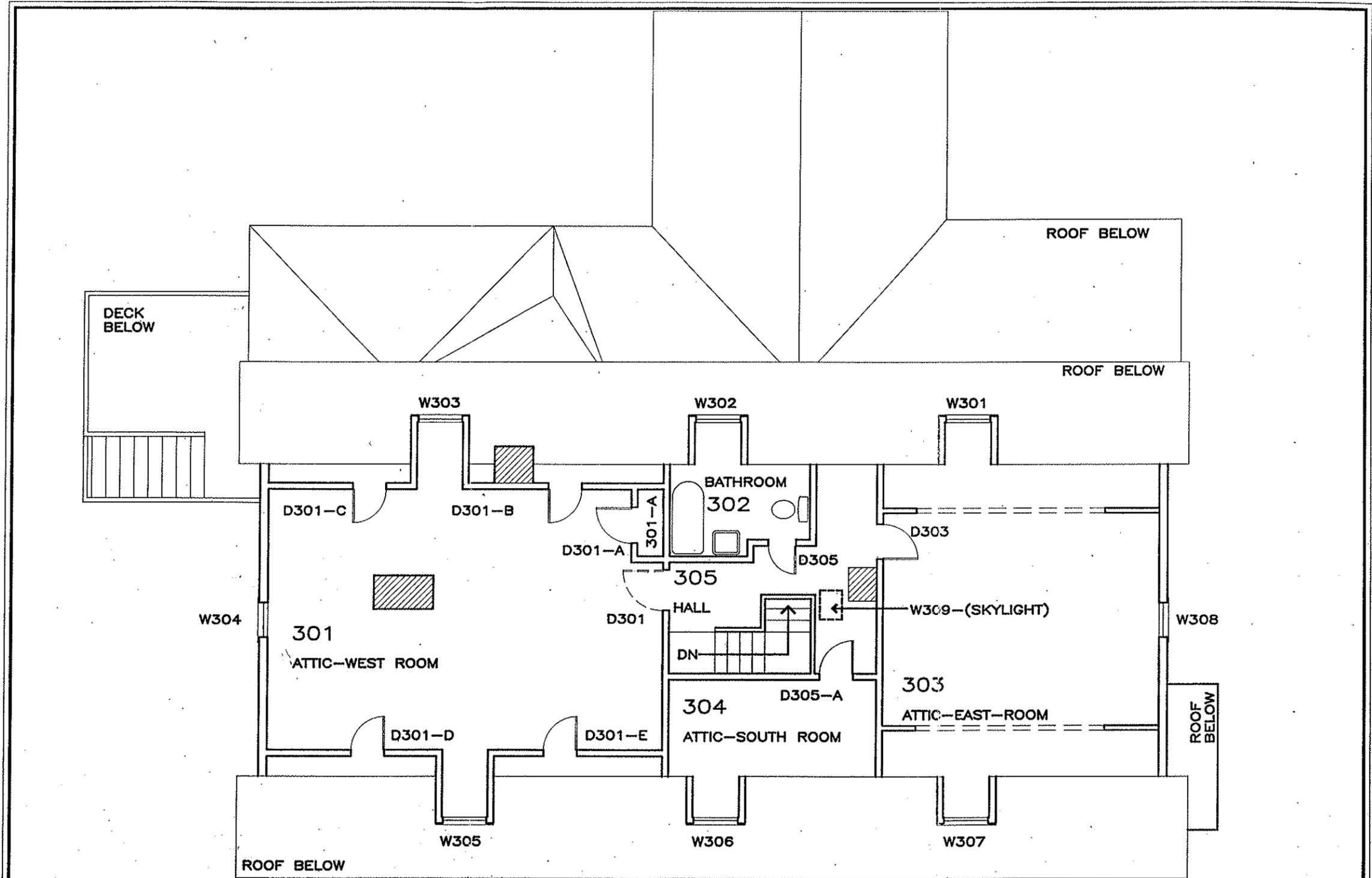


Second Floor Plan

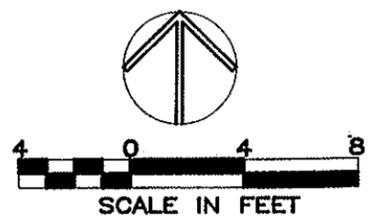
FLOOR PLAN BASED ON FIELD NOTES PROVIDED BY R. CRISSON & C. MCCOY, BCB/CRC
 DRAWN BY: BUILDING CONSERVATION BRANCH / CULTURAL RESOURCES CENTER, NESSO, 6/96



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Attic Floor Plan



FLOOR PLAN BASED ON FIELD NOTES PROVIDED BY R. CRISSON & C. MCCOY, BCB/CRC
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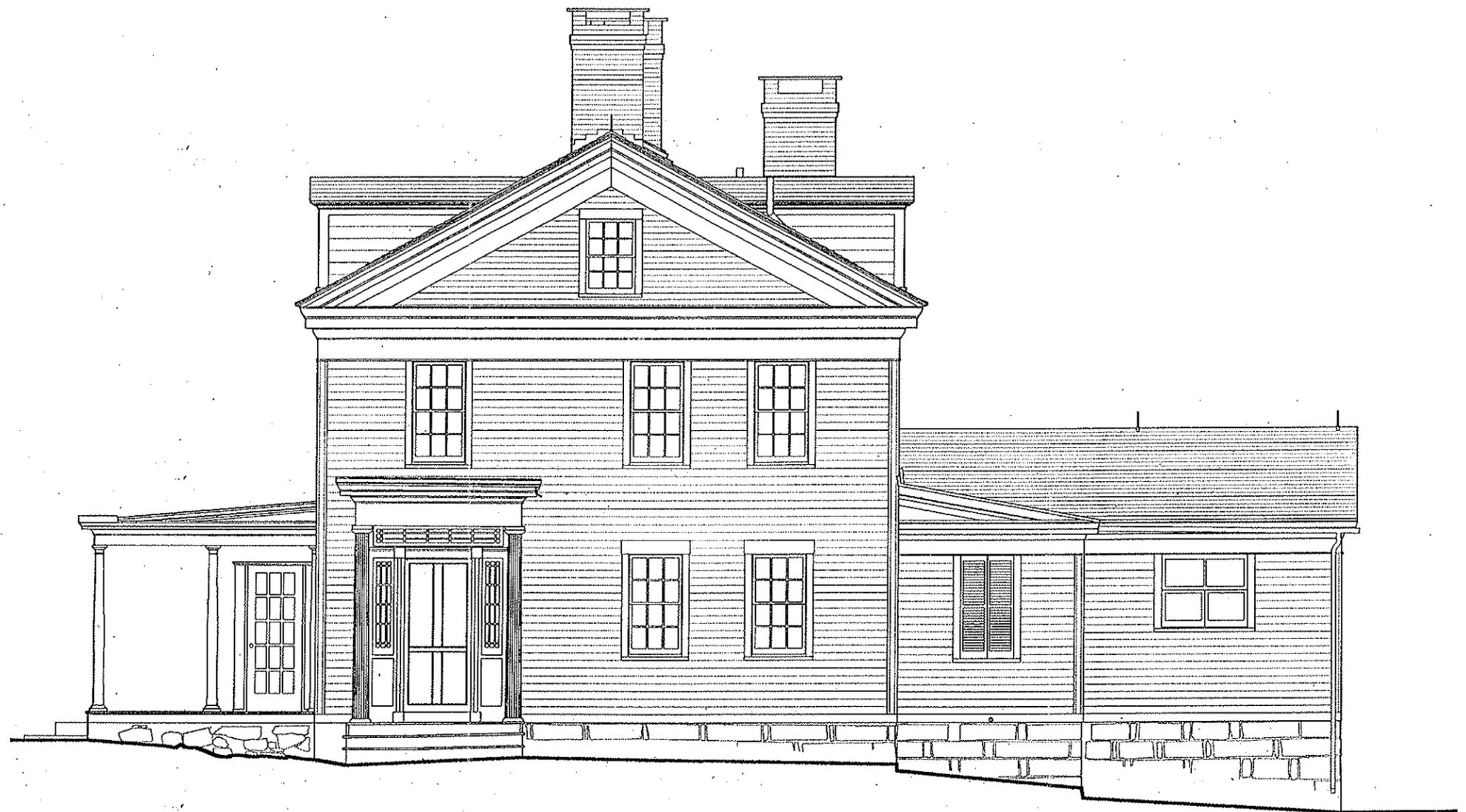
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J. ALDEN WEIR HOUSE
 WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT

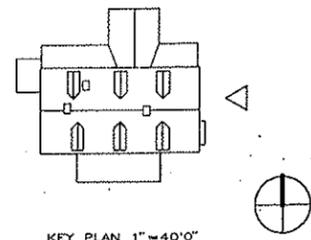
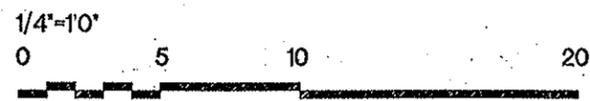
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East Elevation



KEY PLAN 1"=40'0"

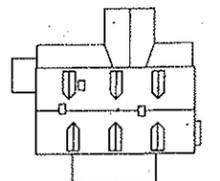
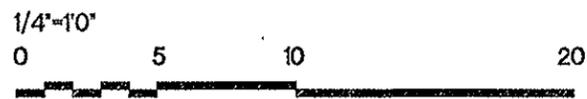
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9'10" 54'4.5" 2'9"

South Elevation



KEY PLAN 1"=40'0"



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NAME AND LOCATION OF STRUCTURE

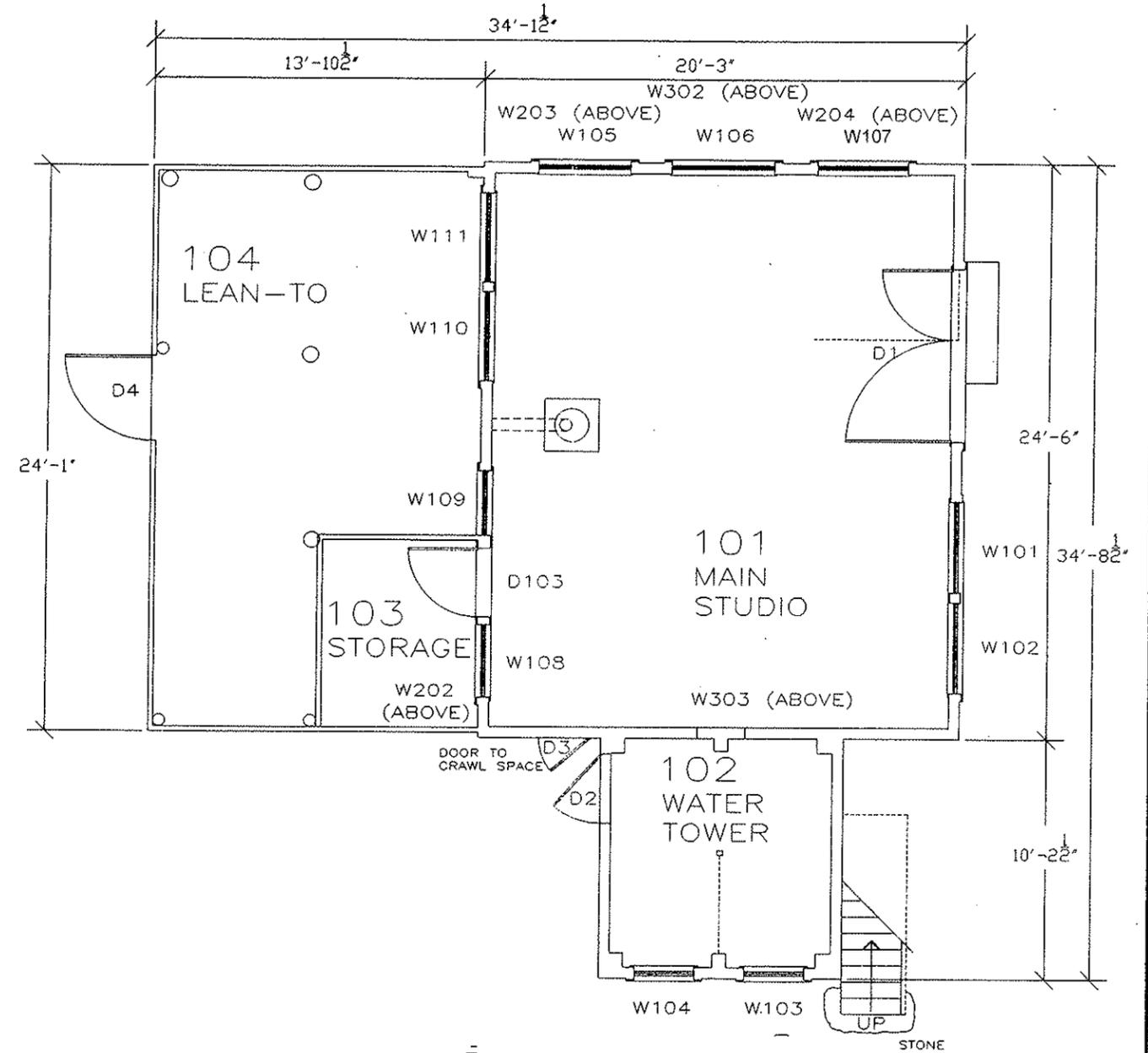
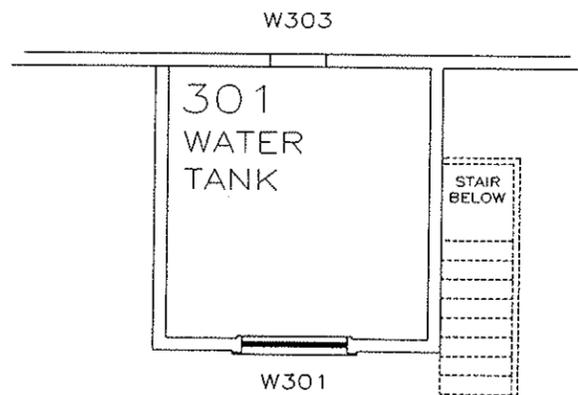
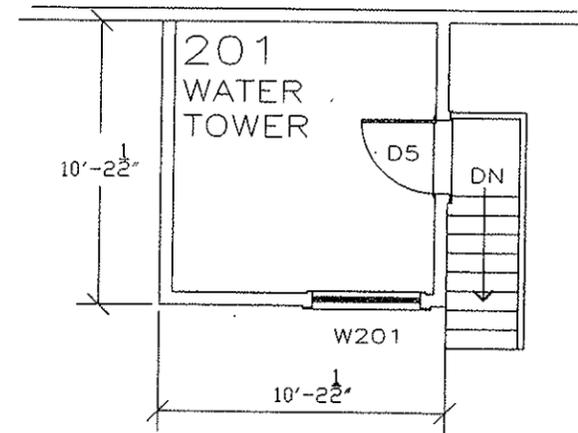
J. ALDEN WEIR HOUSE

WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT

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Water Tower:
2nd & 3rd Floor Plan

First Floor Plan



FLOOR PLANS BASED ON FIELD NOTES PROVIDED BY R. CRISSON & C. MCCOY, BCB/CRC
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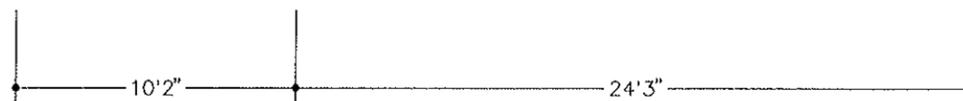
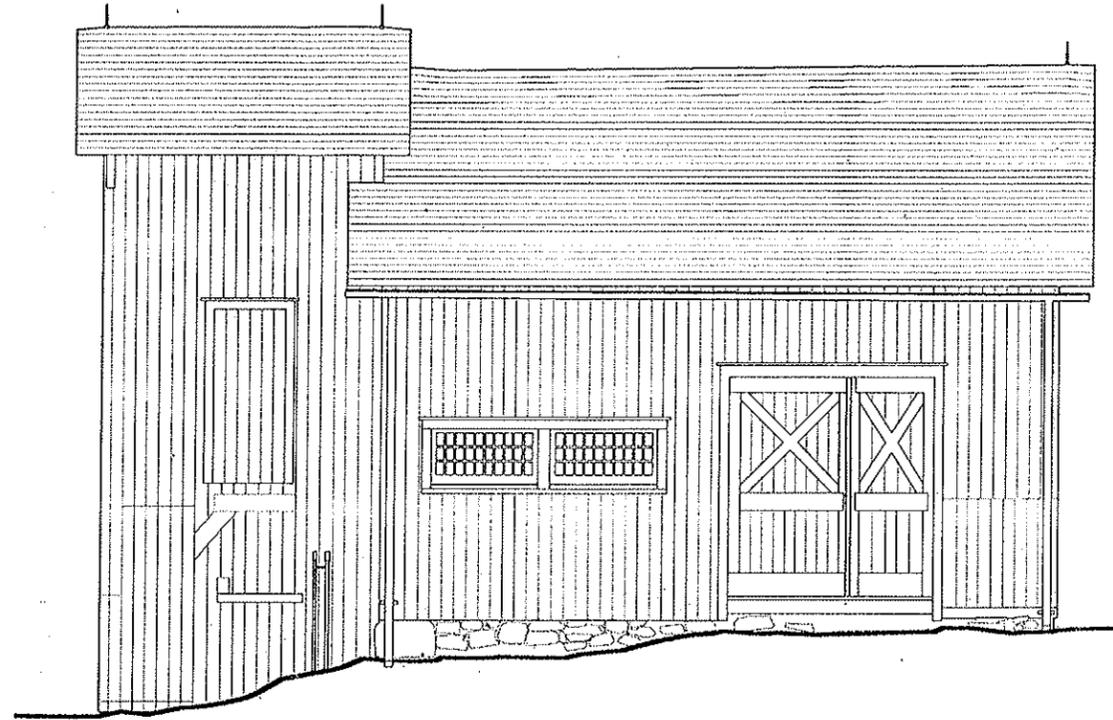
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NAME AND LOCATION OF STRUCTURE
J. ALDEN WEIR STUDIO
WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT

SURVEY NO.

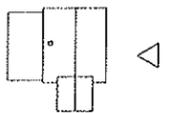
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East Elevation

1/4"=10'



KEY PLAN 1"=40'0"

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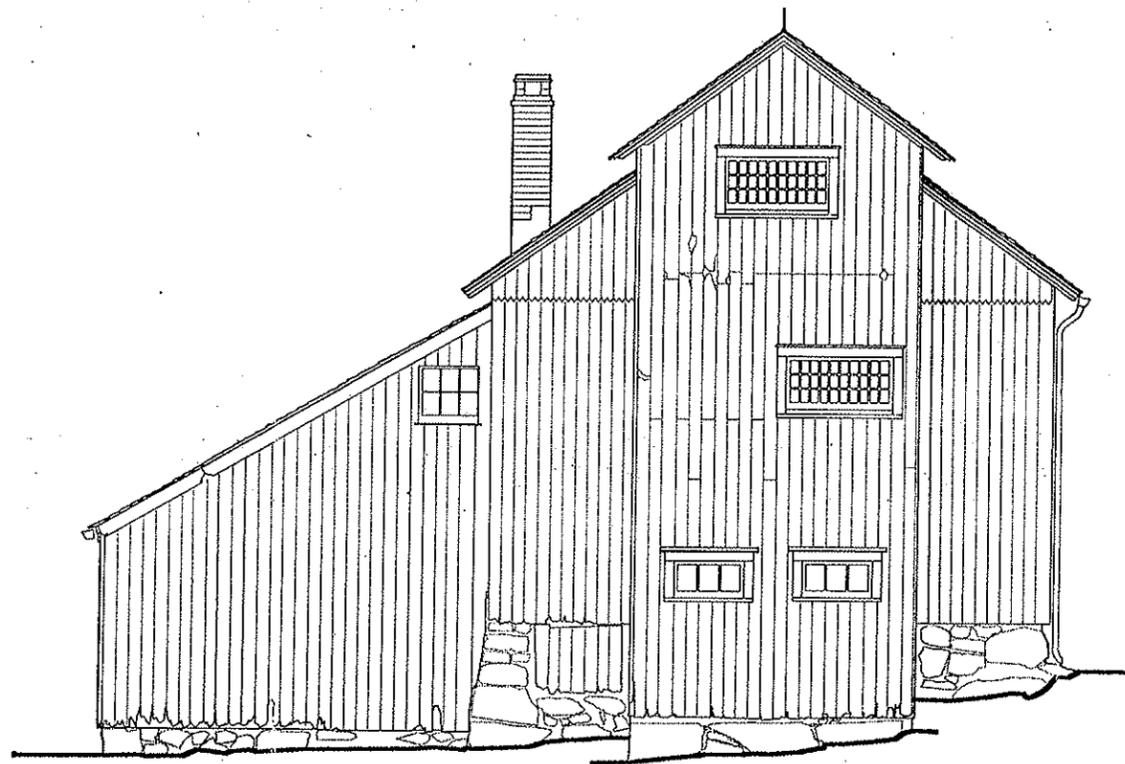
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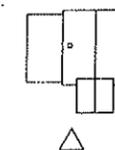
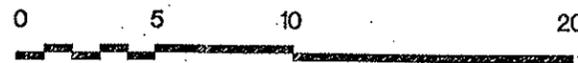
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South Elevation

1/4"=10'



KEY PLAN 1"=40'0"



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NAME AND LOCATION OF STRUCTURE

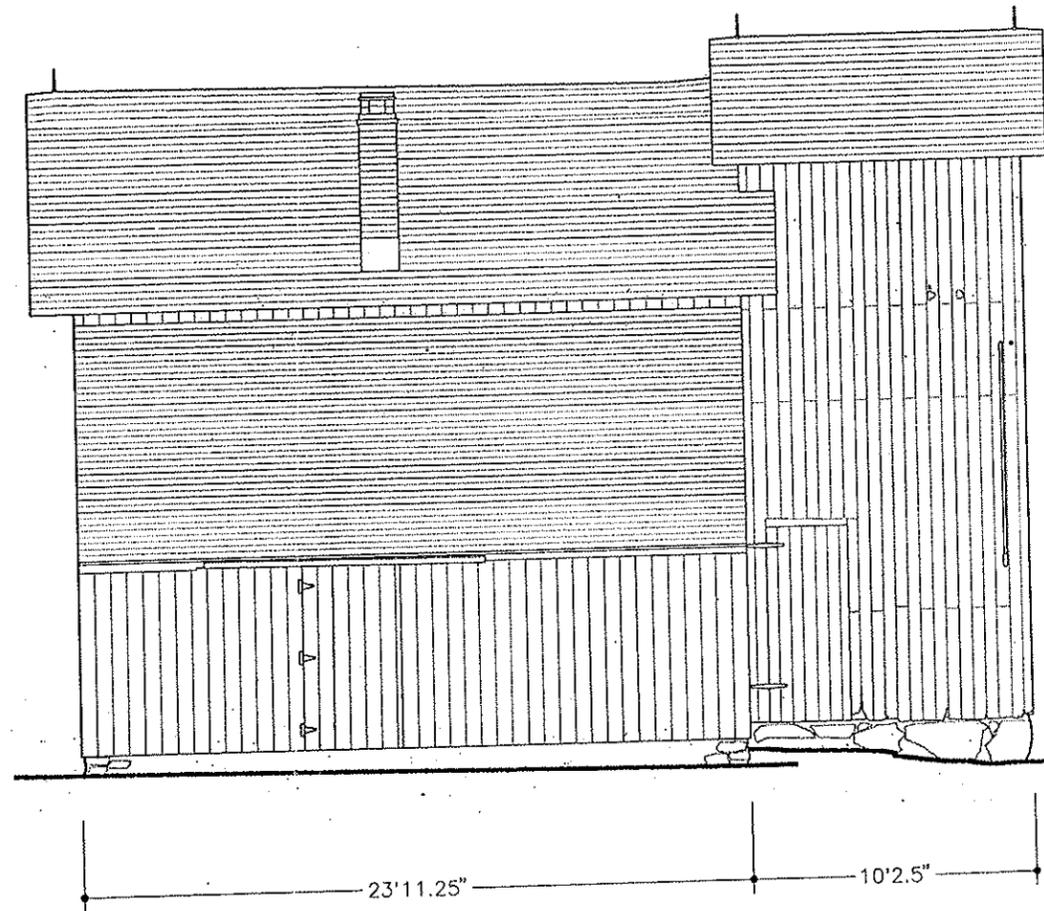
J. ALDEN WEIR STUDIO

WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT

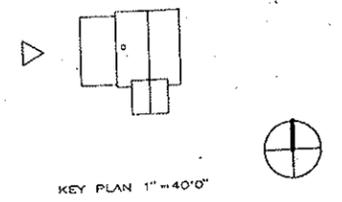
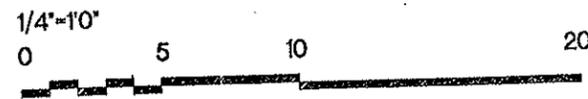
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West Elevation



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NAME AND LOCATION OF STRUCTURE

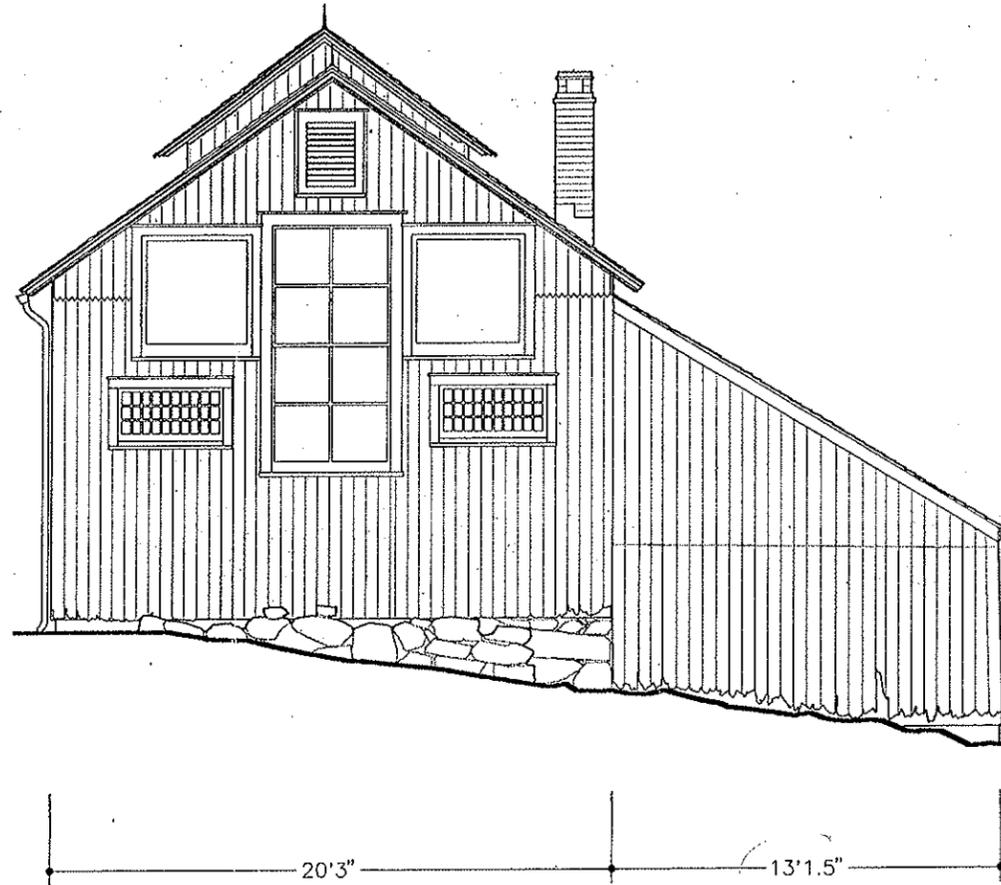
J. ALDEN WEIR STUDIO

WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT

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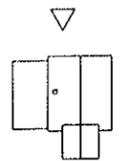
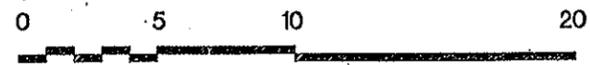
HISTORIC AMERICAN
 BUILDING SURVEY
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 MOD. NUMBER



North Elevation

1/4"=1'0"



KEY PLAN 1"=40'0"



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NAME AND LOCATION OF STRUCTURE

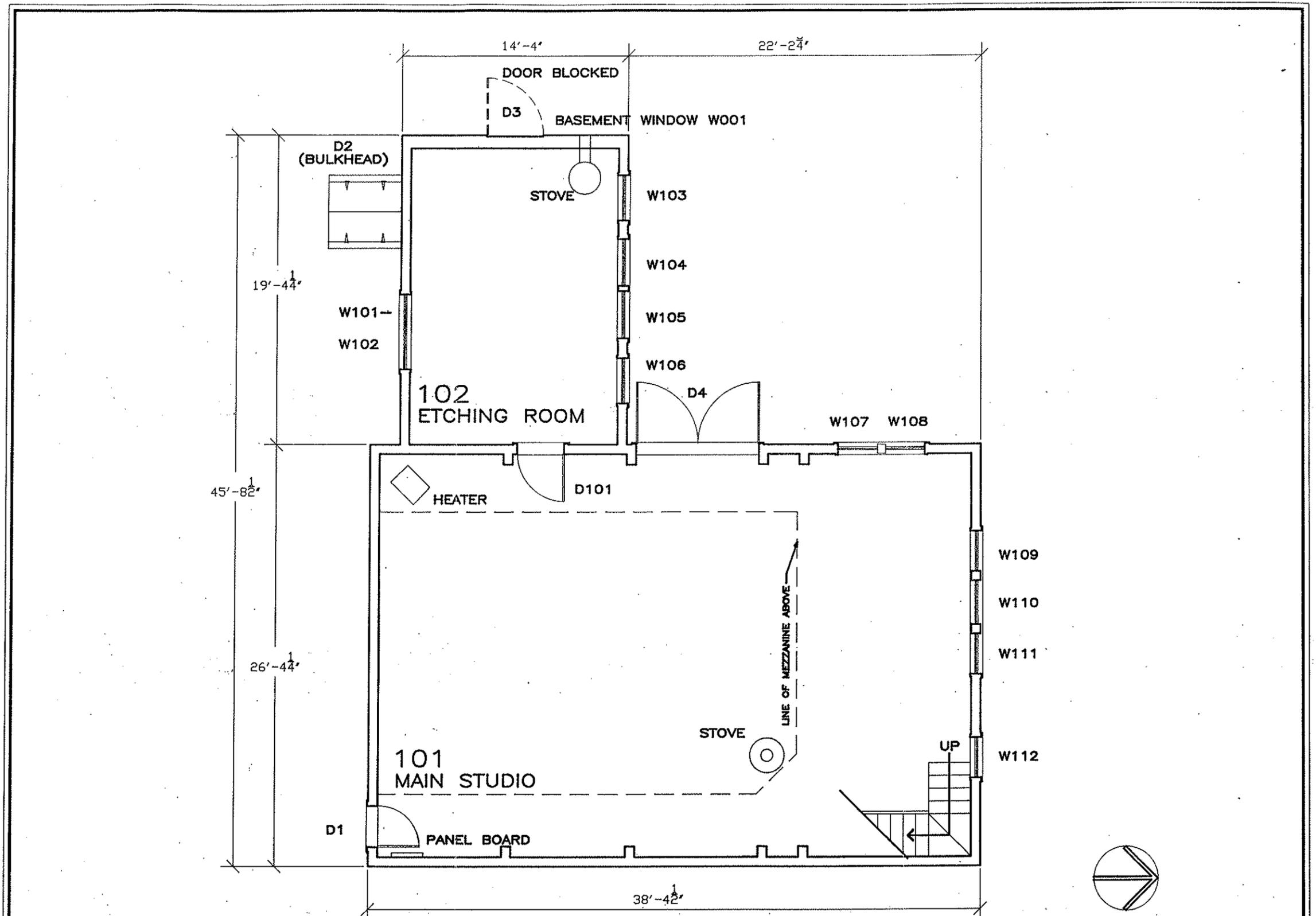
J. ALDEN WEIR STUDIO

WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT

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BUILDING SURVEY
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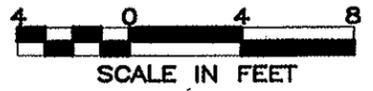
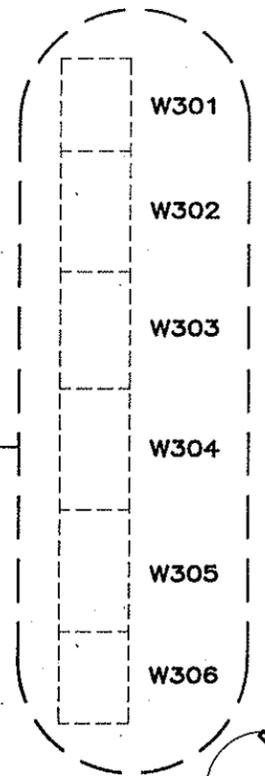
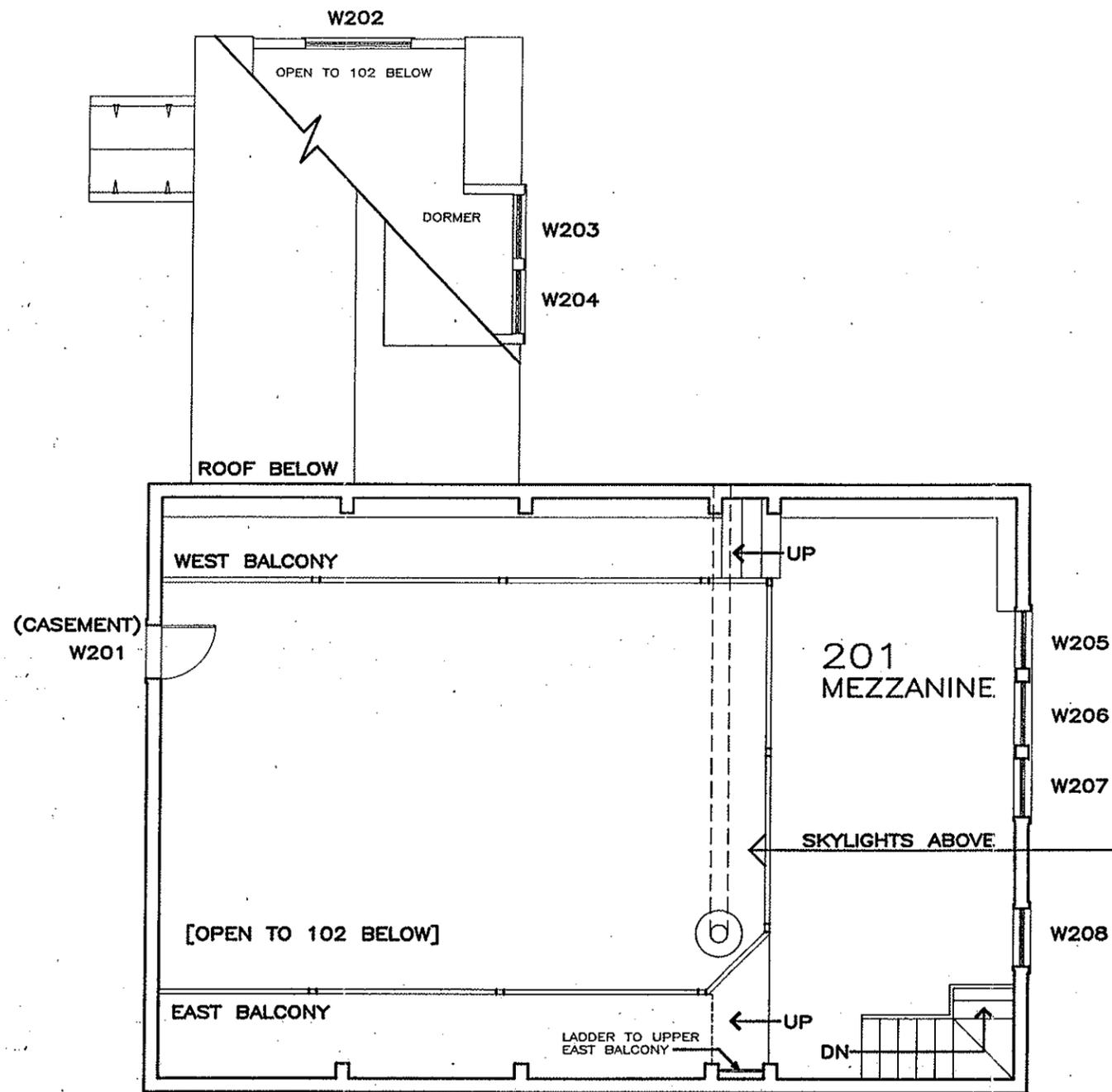
UNIVERSITY OF MICHIGAN
PAGE NUMBER



First Floor Plan

FLOOR PLAN BASED ON FIELD NOTES PROVIDED BY R. CRISSON & C. MCCOY, BCB/CRC
 DRAWN BY: BUILDING CONSERVATION BRANCH/CULTURAL RESOURCES CENTER, NESSO, 6/95

UNDER DIRECTION OF THE NATIONAL PARK SERVICE, UNITED STATES DEPARTMENT OF THE INTERIOR	NAME AND LOCATION OF STRUCTURE MAHONRI YOUNG STUDIO WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT	SURVEY NO.	HISTORIC AMERICAN BUILDINGS SURVEY SHEET OF SHEETS	LIBRARY OF CONGRESS INDEX NUMBER
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Second Floor Plan

FLOOR PLAN BASED ON FIELD NOTES PROVIDED BY R. CRISSON & C. MCCOY, BOB/CRC
 DRAWN BY: BUILDING CONSERVATION BRANCH/CULTURAL RESOURCES CENTER, NESSO, 6/95

UNDER DIRECTION OF THE NATIONAL PARK SERVICE,
 UNITED STATES DEPARTMENT OF THE INTERIOR

NAME AND LOCATION OF STRUCTURE

MAHONRI YOUNG STUDIO

WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT

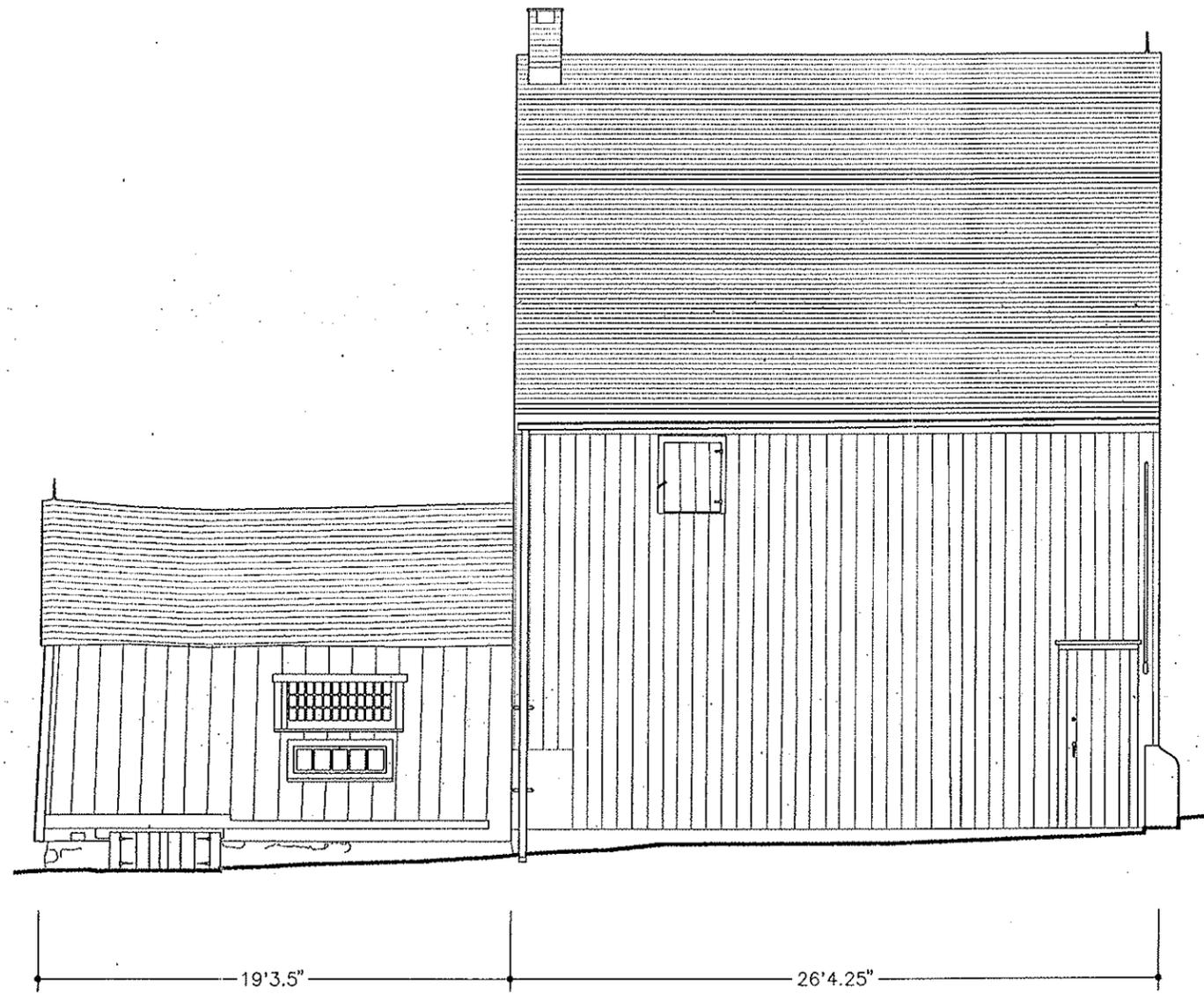
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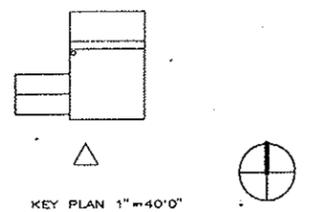
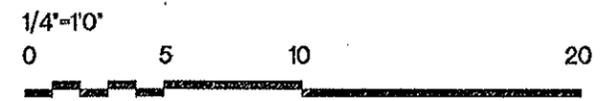
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BOOK NUMBER



South Elevation



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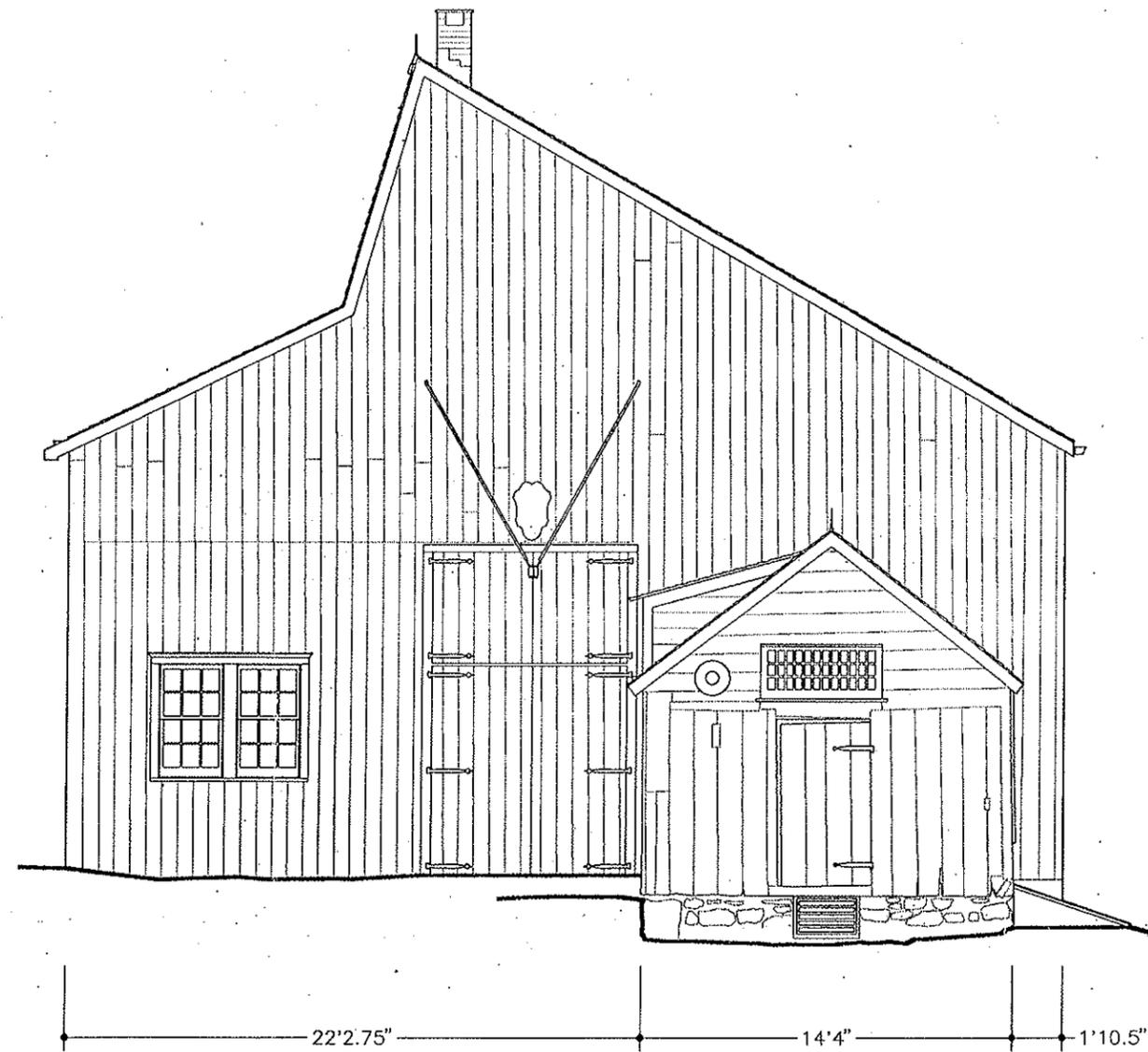
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 WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT

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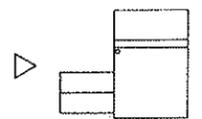
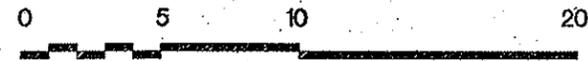
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 SHEET OF SHEETS

IDENTITY OF CONTRACTOR
 ROCK HAVEN



West Elevation

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KEY PLAN 1"=40'0"



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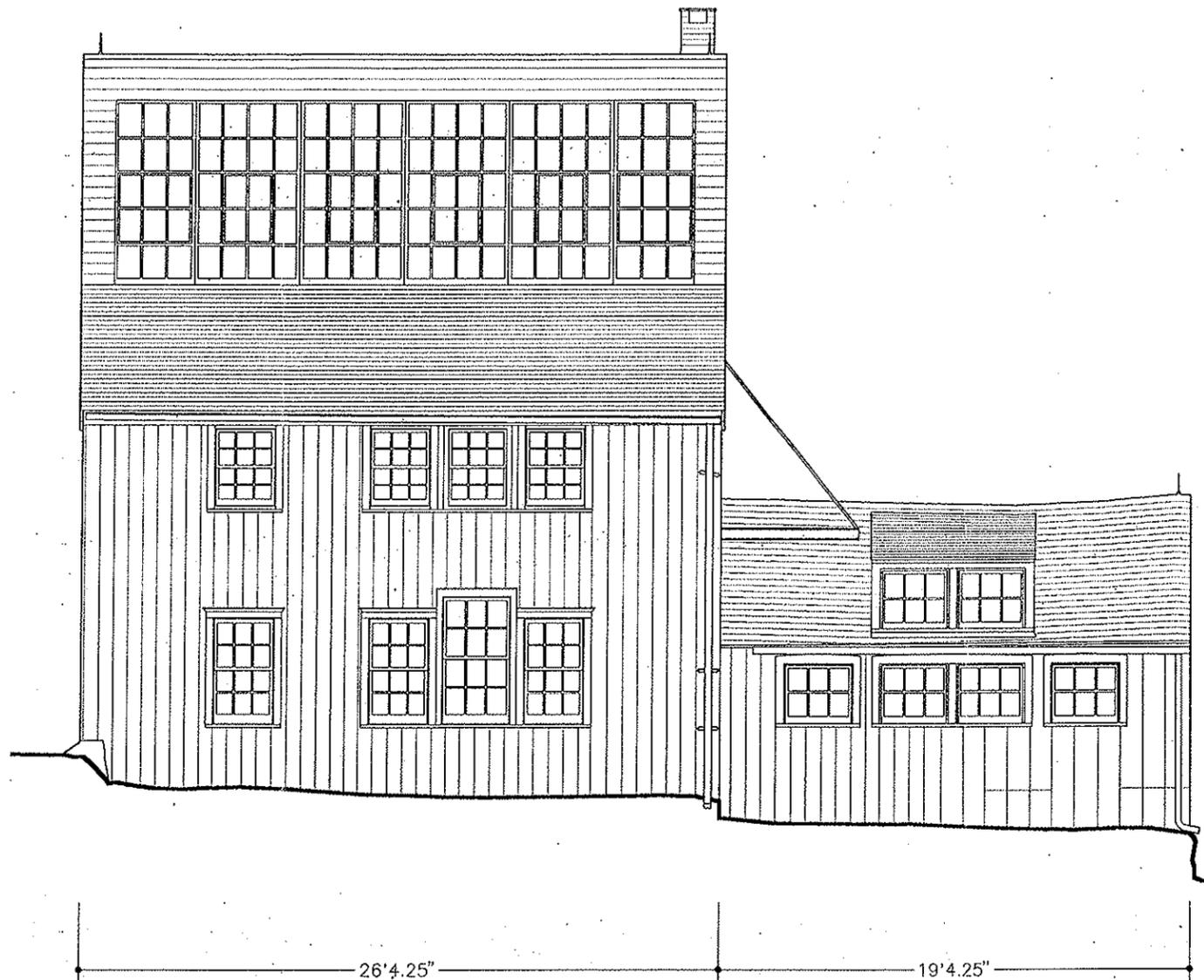
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MAHONRI YOUNG STUDIO
 WEIR FARM NATIONAL HISTORIC SITE -- RIDGEFIELD / WILTON, CONNECTICUT

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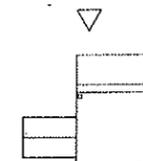
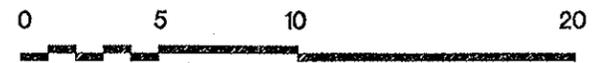
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UNIVERSITY OF CONNECTICUT
 BOOK NUMBER



North Elevation

1/4"=10'



KEY PLAN 1"=40'0"



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NAME AND LOCATION OF STRUCTURE

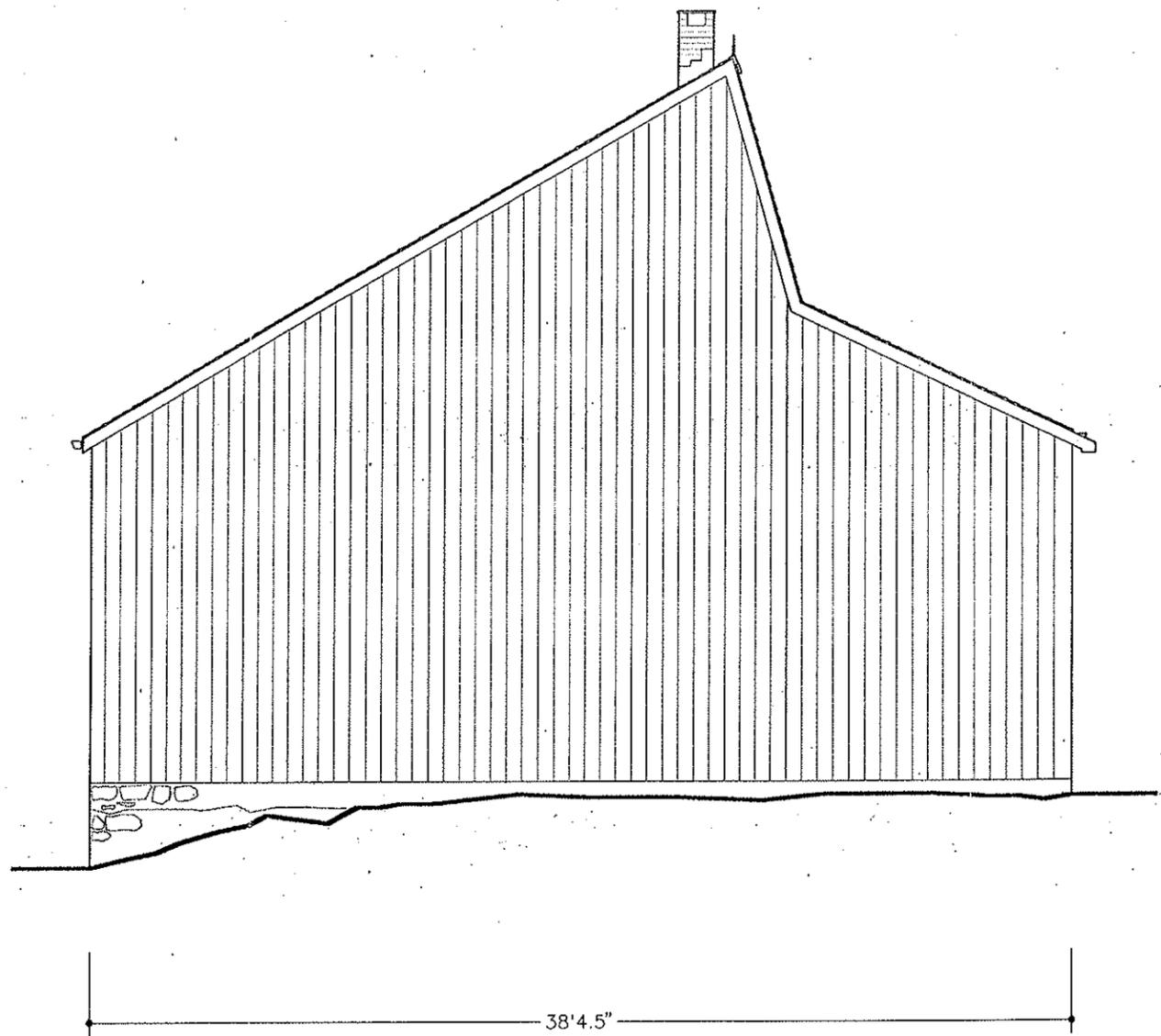
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WEIR FARM NATIONAL HISTORIC SITE - RIDGEFIELD / WILTON, CONNECTICUT

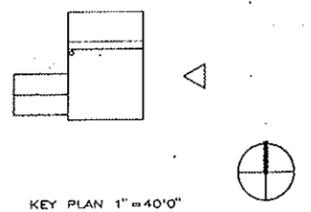
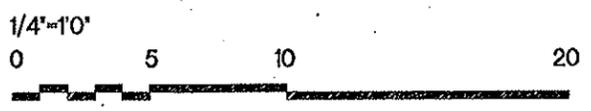
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 BUILDING SURVEY
 SHEET OF SHEETS

LIBRARY OF CONGRESS
 BACUS HALL



East Elevation



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 UNITED STATES DEPARTMENT OF THE INTERIOR

NAME AND LOCATION OF STRUCTURE
MAHONRI YOUNG STUDIO
 WEIR FARM NATIONAL HISTORIC SITE -- RIDGEFIELD / WILTON, CONNECTICUT

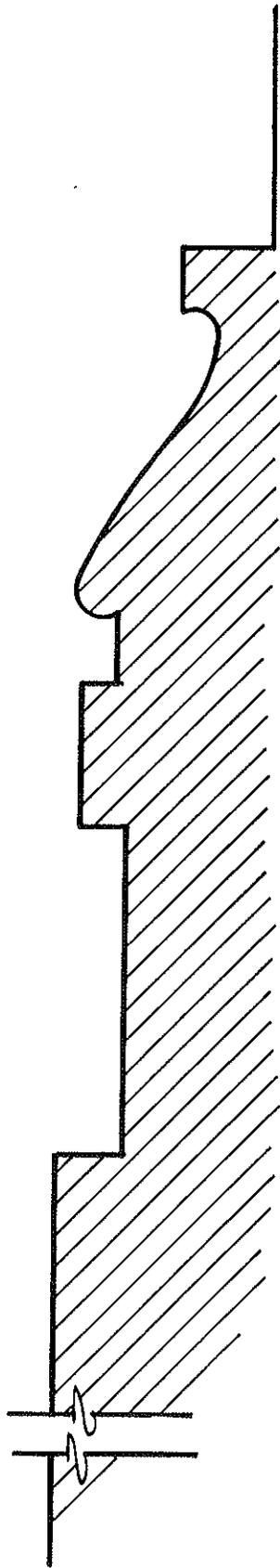
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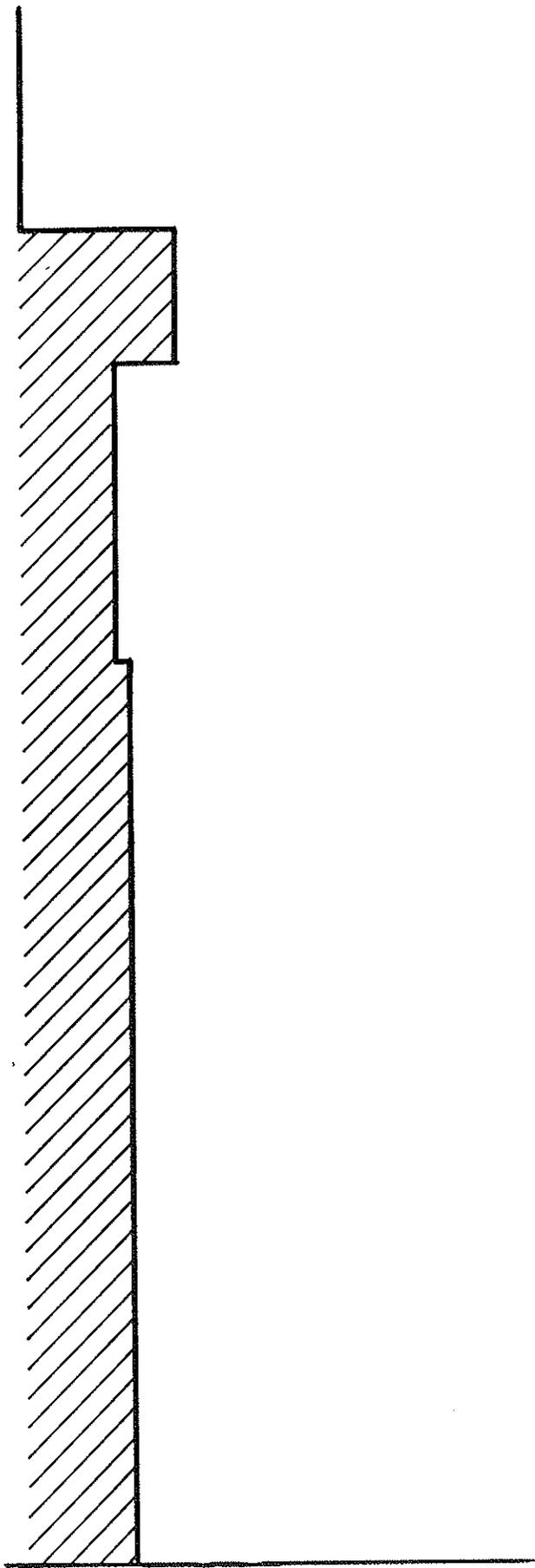
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APPENDIX D
MOLDING PROFILES

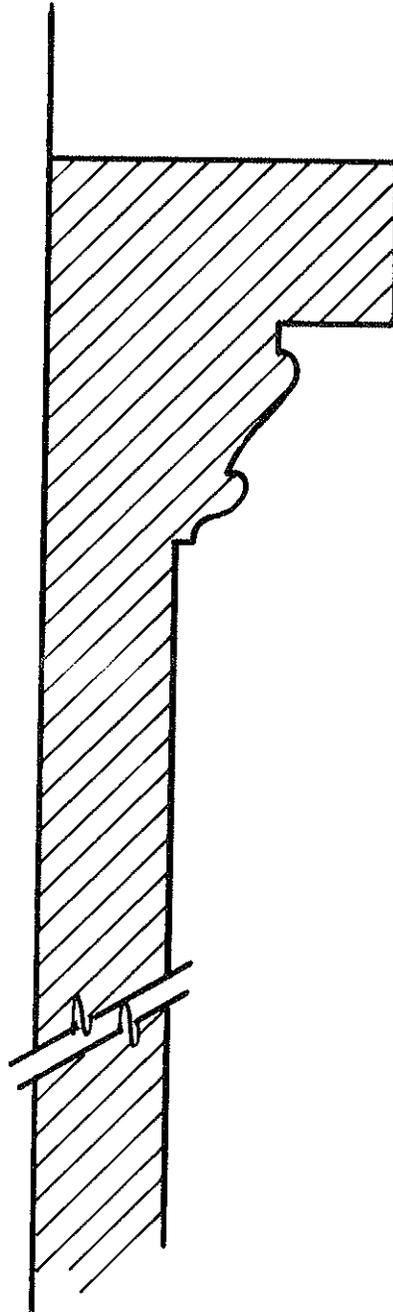
Weir House



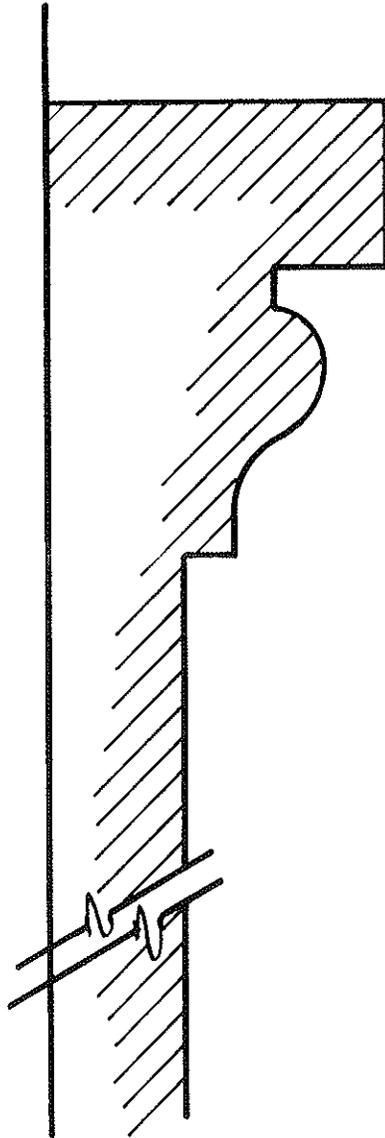
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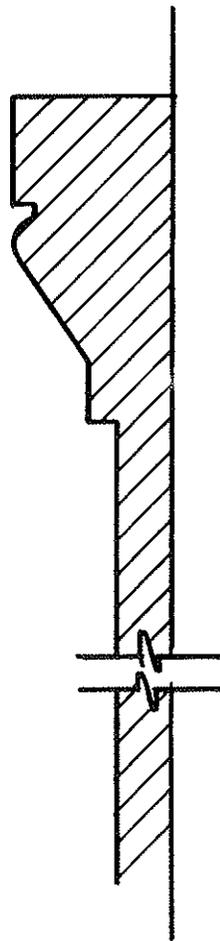
Baseboard Profile
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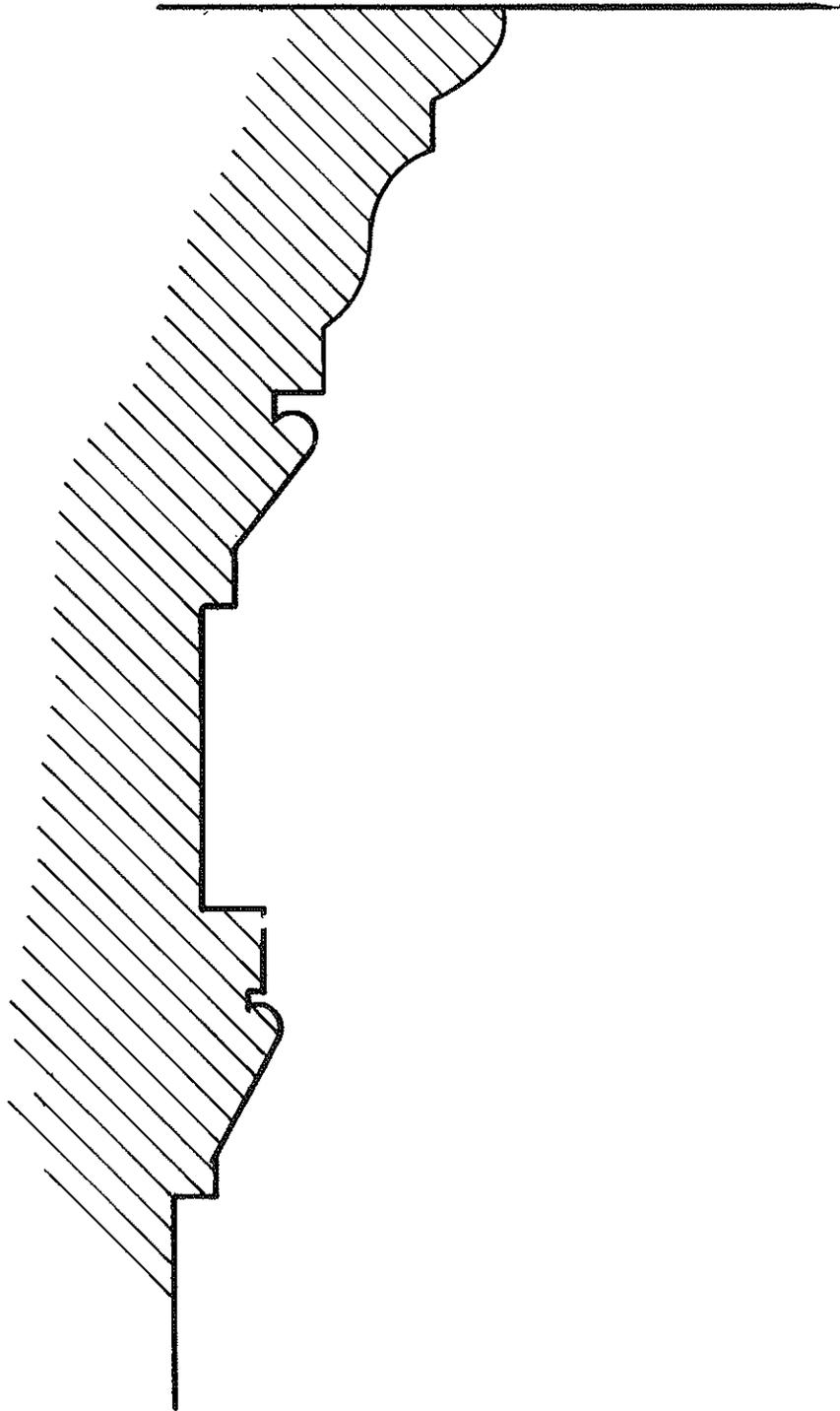
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Profile Type WC-A**



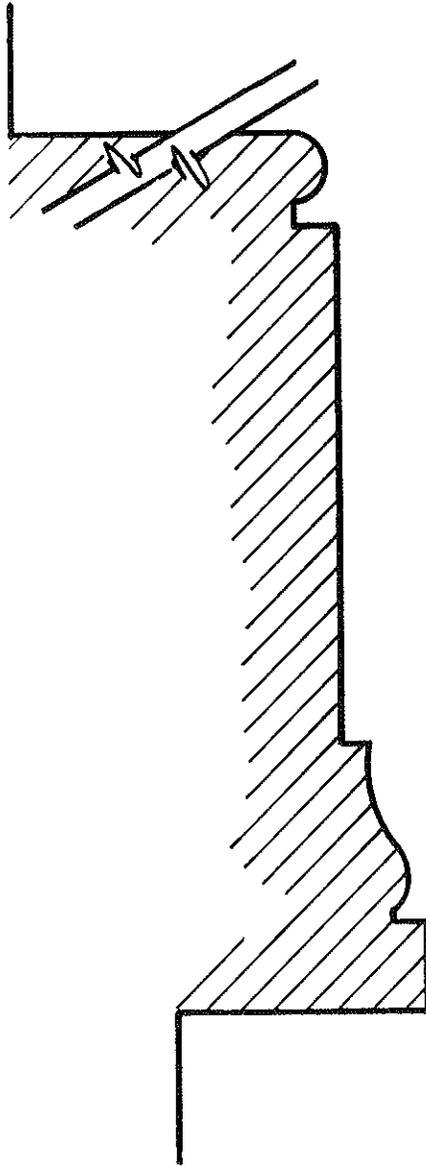
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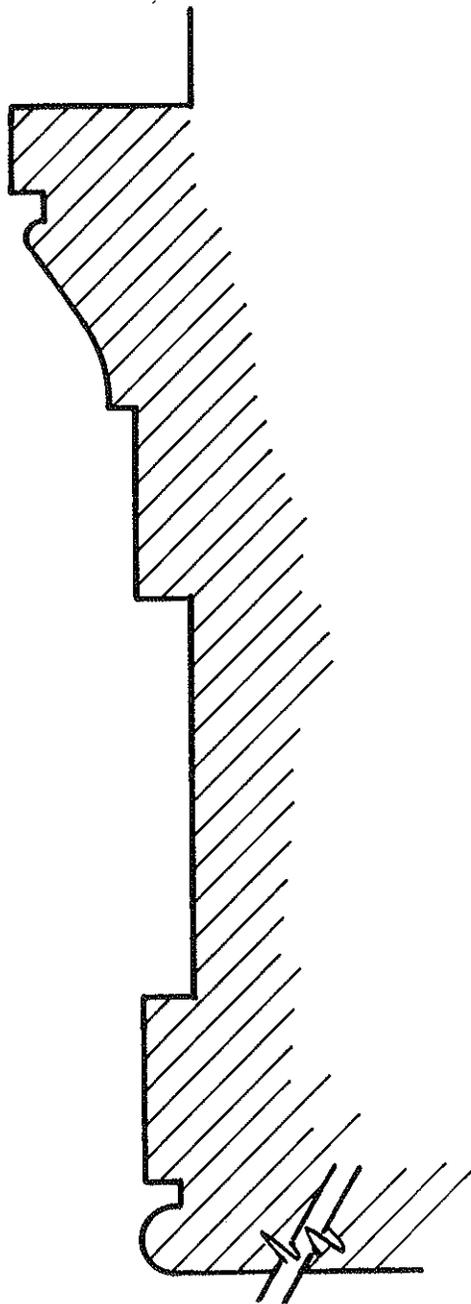
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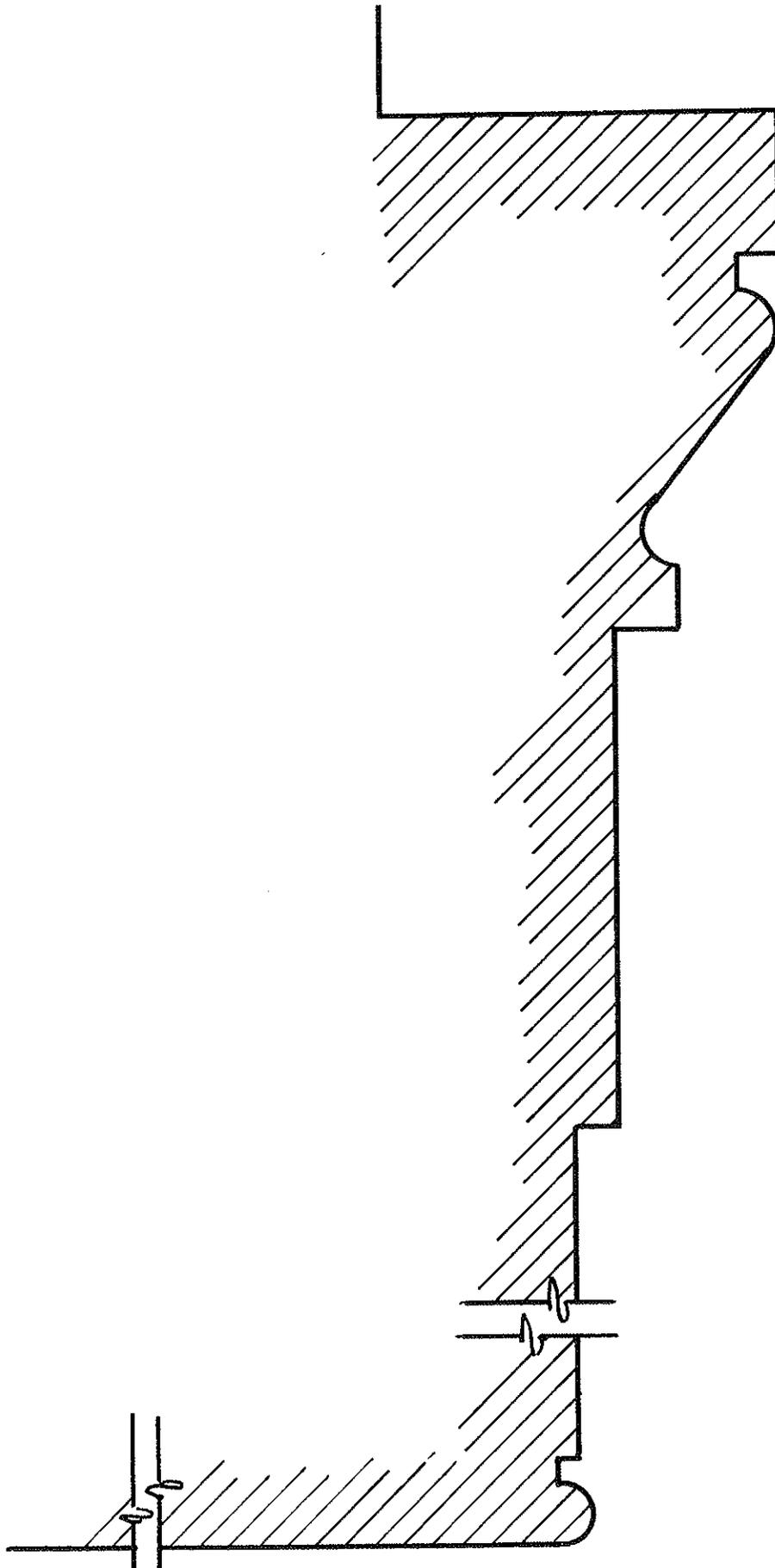
Crown Molding - Room 101
Profile Type CM-A



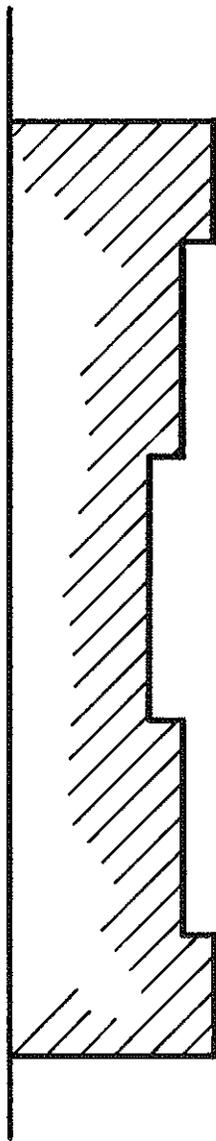
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Profile Type DF-A**



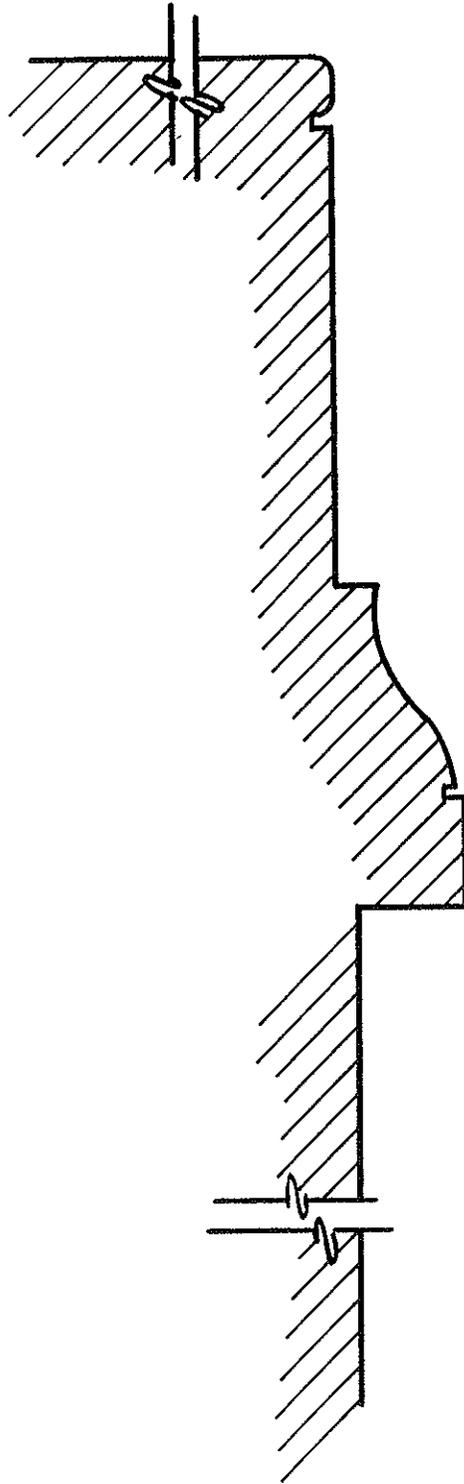
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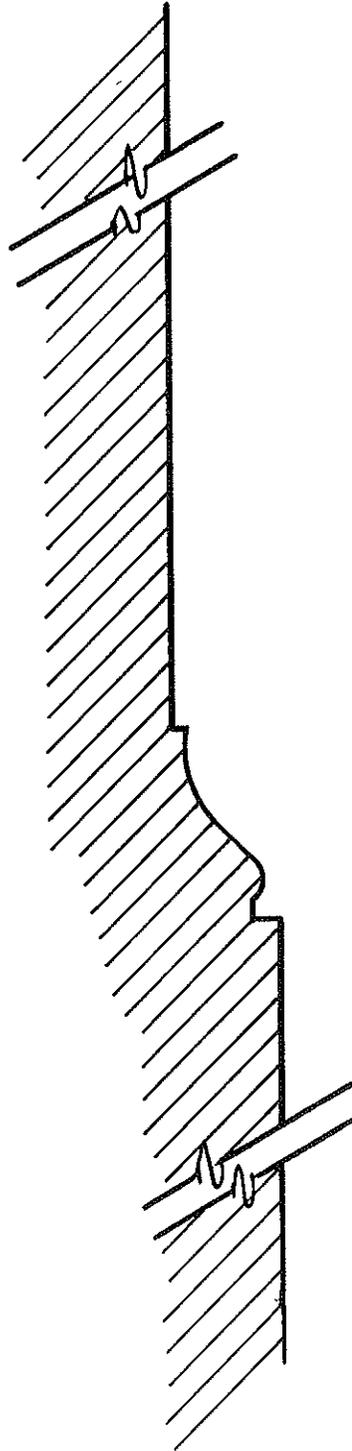
Doorway Surround
Profile Type DF-C



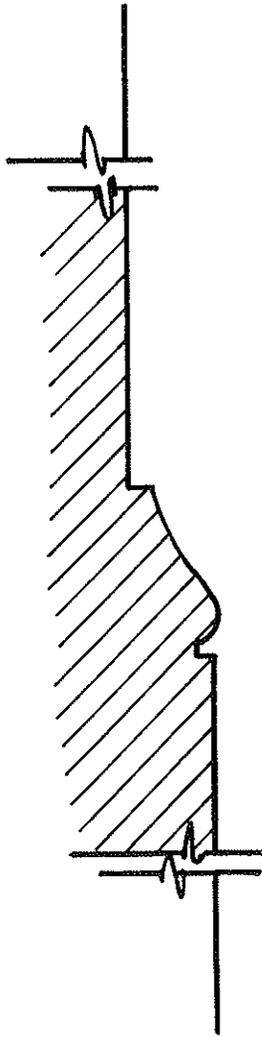
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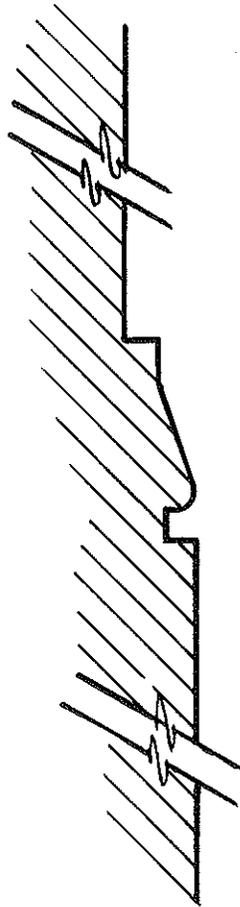
**Doorway Surround
Profile Type DF-E**



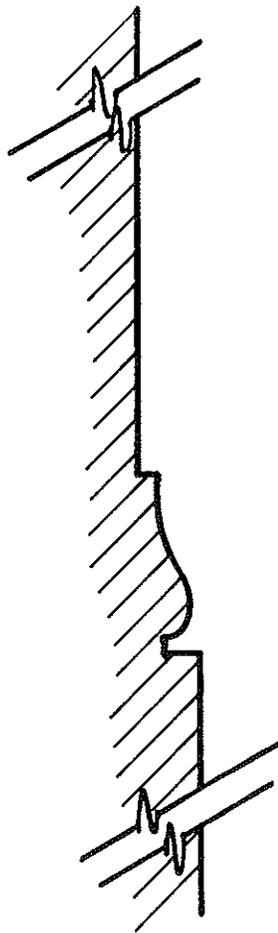
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Profile Type DP-A**



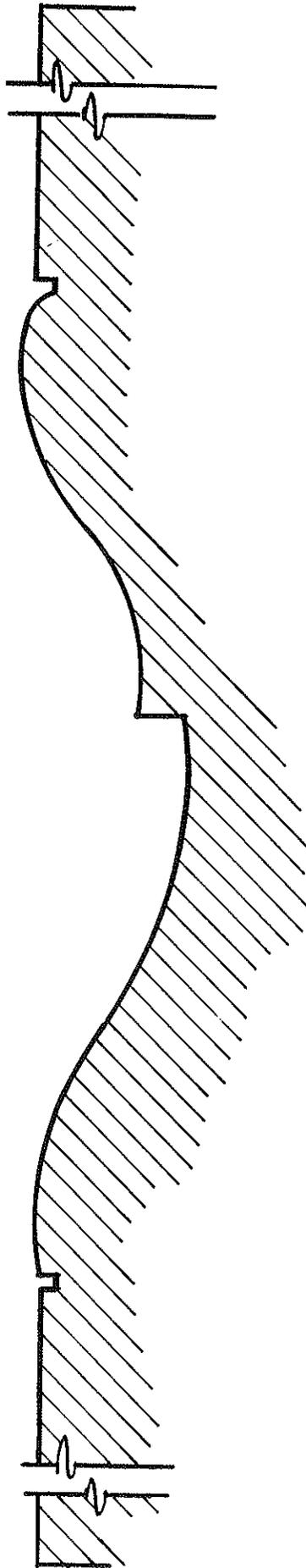
**Door Panel - Interior
Profile Type DP-B**



**Door Panel - Interior
Profile Type DP-C**

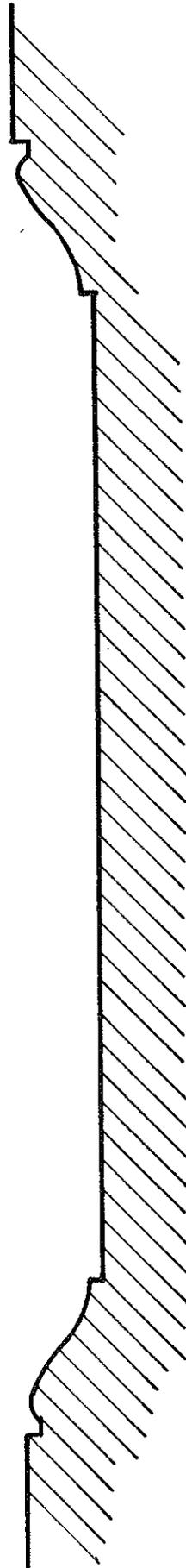


**Door Panel - Interior
Profile Type DP-D**



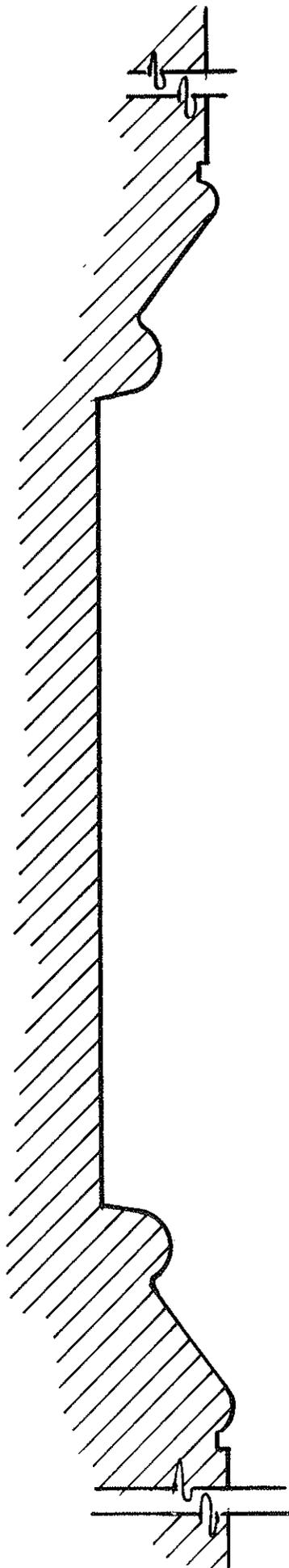
Exterior
Door Panel

Profile Type DP1-A



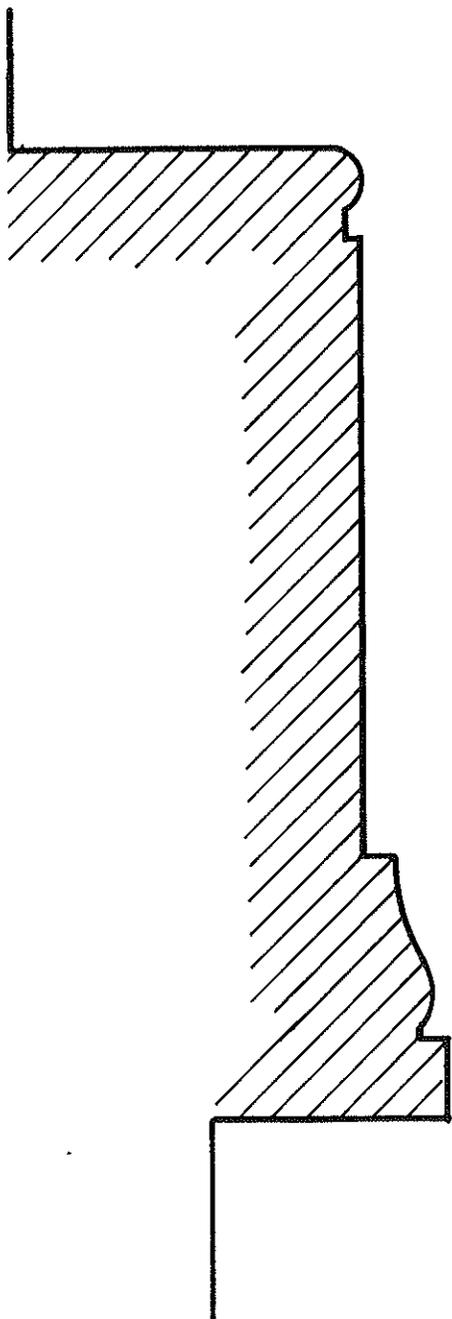
**Exterior
Door Panel**

Door Panel Profile Type DP2-A

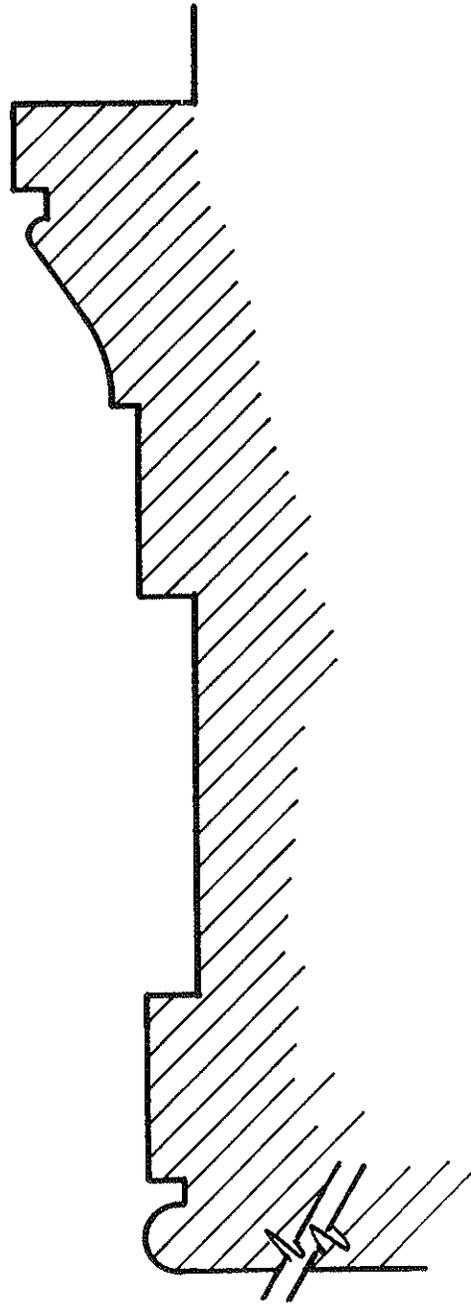


**Exterior
Door Panel**

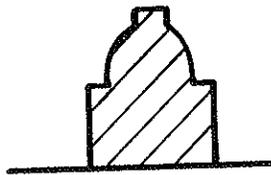
**Door Panel
Profile Type DP4-A**



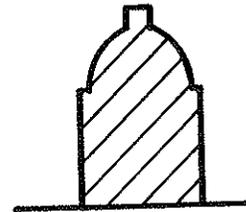
**Window Surround
Profile Type WF-A**



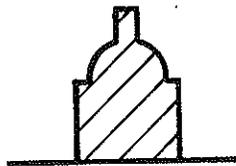
**Window Surround
Profile Type WF-B**



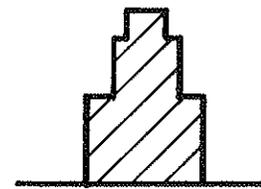
Type M-A



**Type M-A
(Tall)**

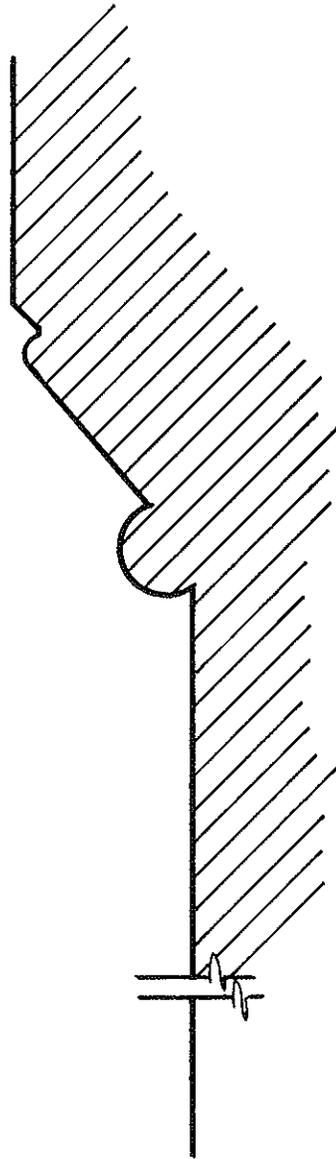


**Type M-A
(Small)**

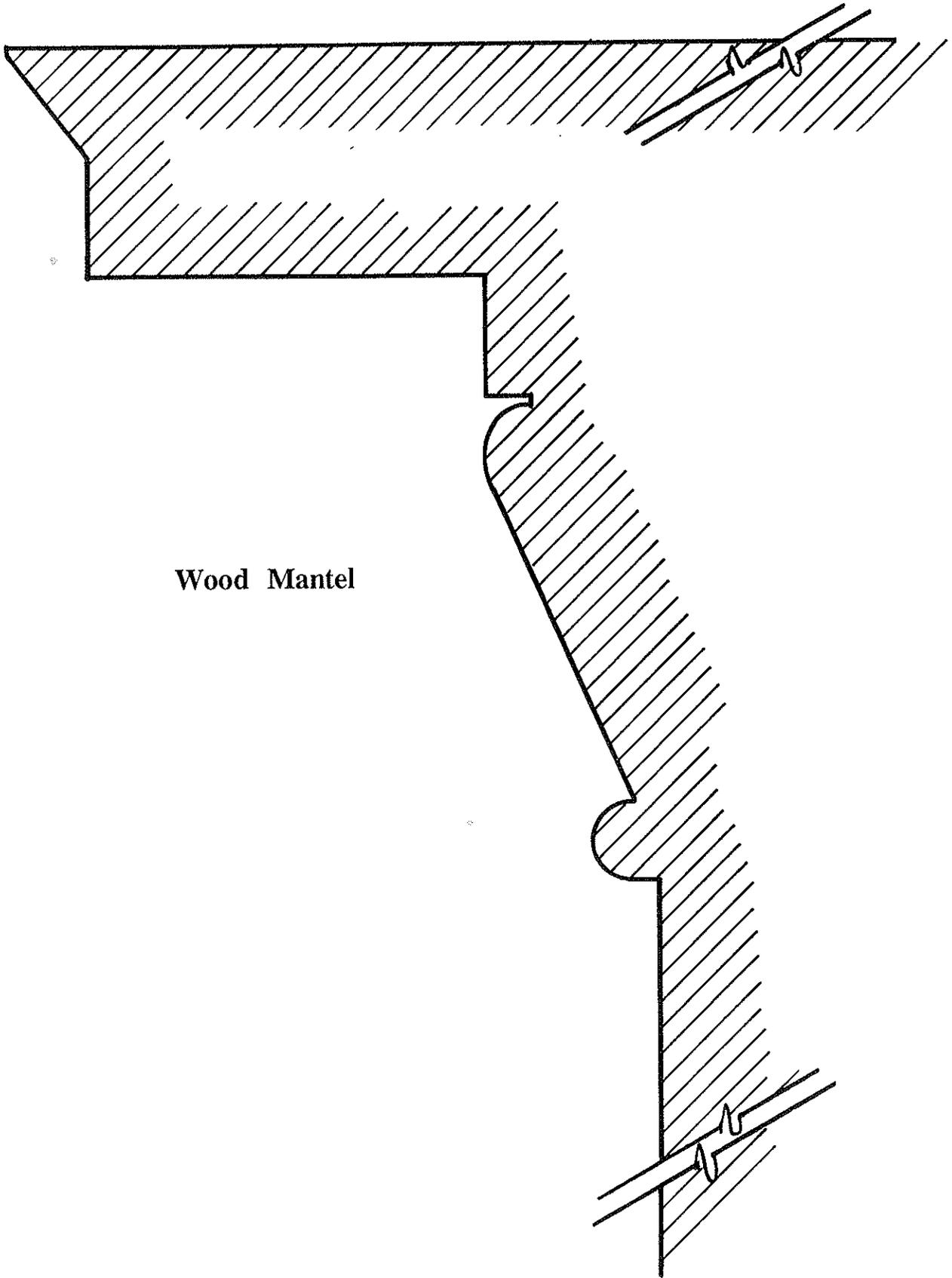


Type M-E

Muntin Profiles



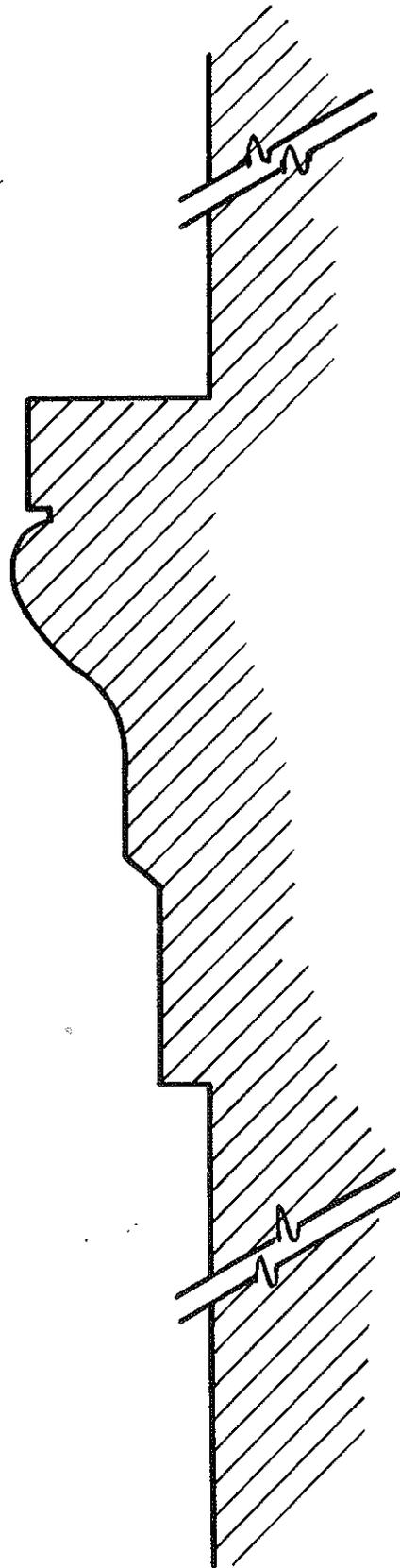
**Window Apron
Profile Type WA-A**



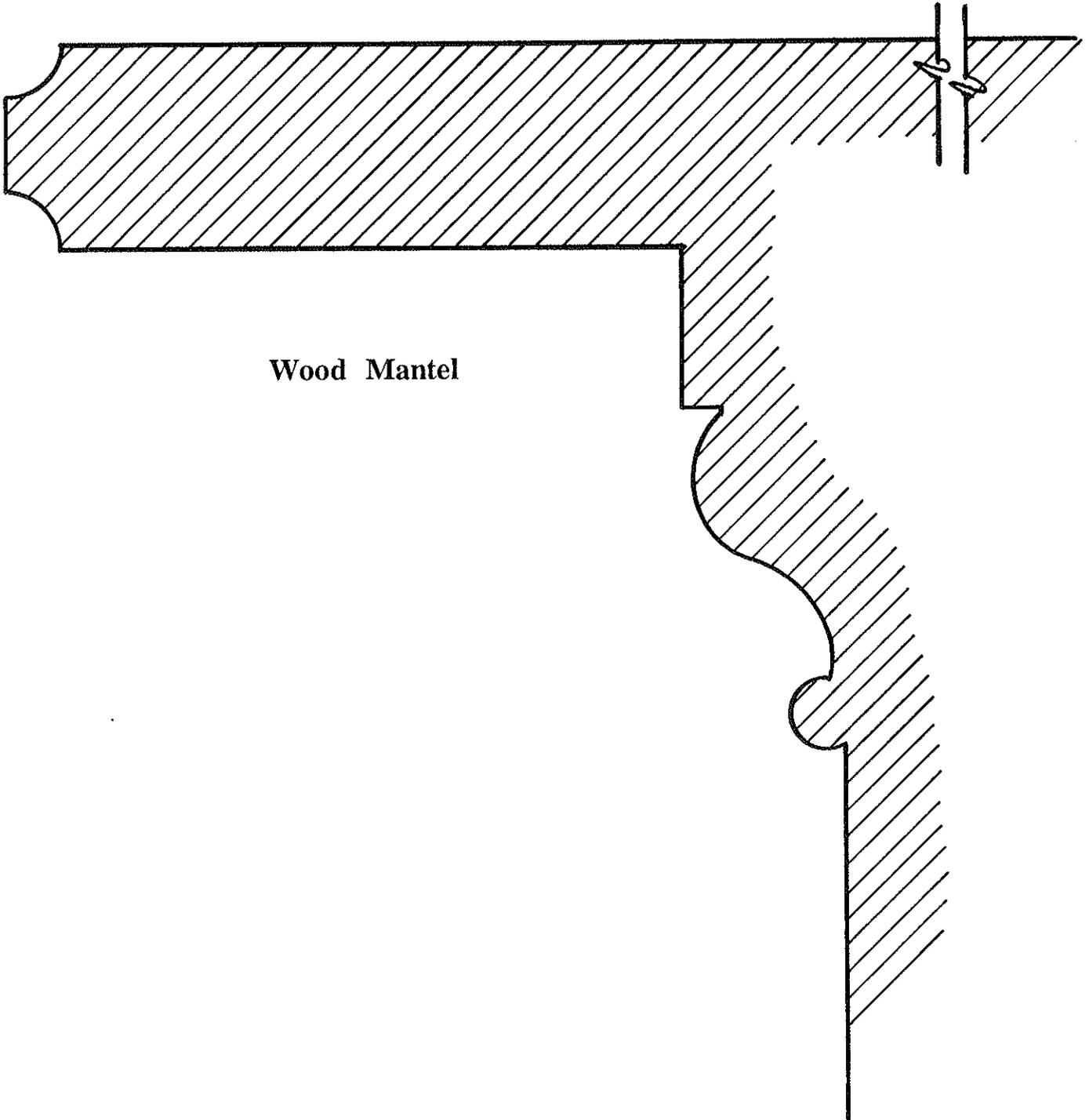
Wood Mantel

Profile Type FM-A (Upper)

Wood Mantel

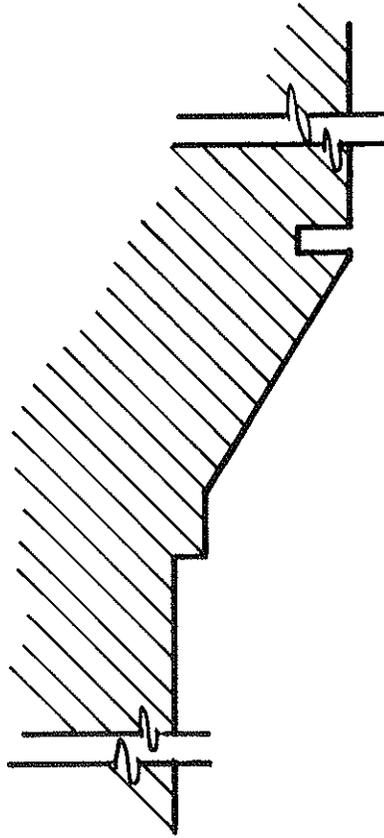


Profile Type FM-A (Lower)



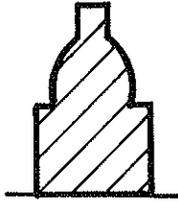
Wood Mantel

Profile Type FM-B (Lower)

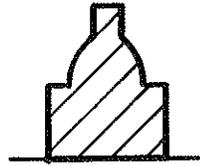


**Wood Mantel
Profile Type FM-C**

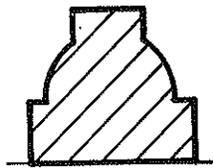
Weir Studio



Type M-A



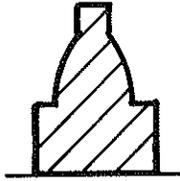
**Type M-A
(Short)**



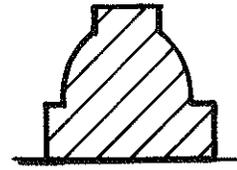
Type M-B

Muntin Profiles

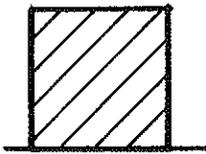
Young Studio



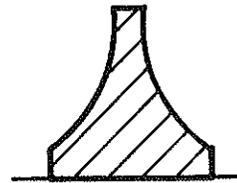
Type M-A



Type M-B



Type M-C



Type M-D

Muntin Profiles

APPENDIX E
PAINT ANALYSIS

OBJECTIVE

Weir House

A preliminary analysis of the exterior paint of the Weir house was conducted in 1993. The main objectives of the analysis were to provide color matching for the existing exterior colors and to determine the extent of lead paint present on the house in preparation for a BCB project to repaint the exterior clapboard siding, wood trim, and porches of the house in their existing colors during the summer of 1993. Exterior doors were not repainted, nor were the historic exterior shutters that were stored in the barn.

Subsequently, further analysis was performed on the Weir house exterior paint samples in conjunction with available documentation to provide a conjectured evolution of the paint schemes (chromochronology) used on the house from its construction in the eighteenth century to 1993. A chart detailing the conjectured evolution of the Weir house exterior paint scheme is also included in this appendix. Analysis was also performed on paint samples removed from the interior of the Weir house, again in conjunction with available documentation, to provide a conjectured evolution of the paint schemes on the interior of the house from its construction to the present time.

Weir and Young Studios

Paint analysis was also conducted on samples removed from the exterior and interior painted surfaces of the Weir studio and the Young studio. The objectives of this analysis were to provide 1) the chromochronology of the paint schemes used on the studios from their construction to the present time, and 2) the circa-1940 exterior paint schemes of both structures.

METHODOLOGY

Between June 1993 and September 1995, a BCB architectural conservator removed two hundred and ninety-seven samples from the painted surfaces of the Weir house (one hundred twenty-seven samples from the exterior and one hundred and seventy samples from the interior); ninety-five samples from the painted surfaces of the Weir studio (eighty-five from the exterior and ten from the interior); and eighty samples from the painted surfaces of the Young studio (sixty-seven from the exterior and thirteen from the interior). The samples were removed using an X-acto knife. Each sample was placed in a separate small envelope, which was carefully labeled with the sample location, building name, and date of removal. The samples were brought to the laboratory facilities of the BCB in Lowell, Massachusetts and logged using a system derived from the National Park Service's Integrated Research Organization System (IROS). This system provides a four-part code that identifies the site, the building, the sample type, and the sample number. Thus, for example, a paint sample with the code number WEFA-01-P001 is paint sample (P) number "1" (001) taken from the Weir house (WEFA-01). A list of the paint samples removed and the location from which each sample was taken for the three structures can be found at the end of this appendix.

The samples were examined using a stereozoom microscope. Each sample was viewed in cross section at 10 to 63 times magnification. Paint-layer colors and sequences (stratigraphies) were recorded as well as dirt lines and fractures between layers, which help to determine the possible passage of time between layers. Spot chemical tests were performed, including the use of dilute sodium sulfide solution to identify lead paint and to help identify similar layers among samples. The ultraviolet light test was also used with the Weir house exterior samples to identify the presence of zinc oxide or titanium dioxide pigments. Selected samples with the most complete stratigraphies were each mounted in a wax-filled petri dish, which was also labeled with the sample's log number.

Stratigraphies were compared with information gleaned from the researched documentation and conjectured dates were assigned to selected layers. Charts detailing the conjectured evolution of the Weir house exterior and interior paint schemes and of the Weir studio and Young studio exterior paint schemes are included in the ANALYSIS section below.

ANALYSIS

Weir House

The Weir house exterior paint scheme that existed in 1993, and which was reproduced during the BCB repainting project, was red siding and white trim (similar to most structures at Weir farm), with gray porch decks, light blue south porch ceiling, and green doors. The preliminary analysis revealed that the exterior paint samples from the Weir House were a mix of lead, zinc oxide, and titanium dioxide pigments. Lead paint was found to be confined primarily to early layers of white trim paint, with zinc oxide or leaded zinc oxide predominating in later layers. The most recent layers contained primarily titanium dioxide-base pigments. The red siding paint, the gray porch decking paint, and the blue south porch ceiling paint was found to be lead-free.

Determining the appropriate color match for the green paint on the exterior doors and shutters was difficult. It appears that much of the paint contained fugitive pigments, thereby causing a great deal fading and resulting in the original green color turning blue-green. The surface layer of some areas, and the lower layers of most areas, exhibited discolorations due to faded colors rather than to the use of various shades of green paint. However, some surfaces may have eventually been painted blue-green in an attempt to match an earlier faded green layer; Doris Andrews confirmed that the Andrews did this on the entry door to Weir Studio and the bulkhead door to the basement of Weir House.

The results of the preliminary analysis is presented in the following chart, which includes (1) the presence or absence of lead paint; (2) the identification of the 1993 paint layers as either oil or latex (water-based) paints; and (3) color matching the 1993 exterior paint colors to the Munsell Color Notation System.

Weir House 1993 Exterior Paint Colors

Color	Feature	Color Notation	Medium
Red	Clapboard siding	Munsell 7.5R 3/6 Moore-O-Matic #1204	Water base (latex)
White	Sashes Doorway & window trim Clapboard siding - north wall/south porch	Munsell No Value	Water base (latex)
Blue	South porch ceiling	Munsell 7.5B 7/6 Moore-O-Matic #767	Water base (latex)
Gray	Porch decking	Munsell N7.5/ Moore-O-Matic #1467	Water base (latex)
Green	Doors & shutters	Munsell 7.5BG 3/4 Moore-O-Matic #735	Oil base

**WEIR HOUSE
CONJECTURED EXTERIOR CHROMOCHRONOLOGY**

Date	Wall & Trim	Porch	Sashes ¹	Doors	Surrounds	Shutters
Pre-1850	unknown	unknown	unknown	unknown	unknown	unknown
C. 1850	white	white	white	east & south - white west - black	dark green	interior - white
C. 1883	red	dark green	white ²	dark green	dark green	exterior - kelly green
C. 1888	red	dark green	white	dark green	dark green	dark green
1900	red	dark green	white ³	dark green	dark green	dark green
1911	red	dark green	white	dark green	dark green	dark green
C. 1915-1919	red	dark green	white	dark green	dark green	dark green
1920	red	dark green	white	dark green	dark green	dark green
1934	red	white ⁴	white	dark green	white	dark green
1942	red	white	white	dark green	white	dark green
1958	red ⁵	white	white	dark green	white	[removed]
1993	red	white	white	dark green	white	

- 1 - Window and door screens - black
- 2 - Window & door screens - dark green
- 3 - Window screen & storm frames - white
- 4 - Porch decking - gray
- 5 - Clapboards on south porch wall - white

WEIR HOUSE
CONJECTURED INTERIOR CHROMOCHRONOLOGY
 First and Second Floors

Date	Walls	Ceilings	Woodwork	Doors	Sashes
Pre-1850	unknown	unknown	unknown	unknown	unknown
C. 1850	unknown	unknown	white	white	white
C. 1883	unknown	unknown	black	black	black
C. 1888	unknown	unknown	black	black	black
1900	new plaster - paint or paper	white	black ¹	black ¹	black ²
1911	paint or paper - white ³	white	black white ⁴	black	black ⁵
1932	paint or paper living room & library - red kitchen - green	white	black library - green	black library - green	black ⁵
c. 1958	living room - green	white	black white ⁶	black white ⁶	black ⁵ white ⁶

- 1 Also in rooms added in 1900 - dining room (R107), second-floor hall (R203), bedrooms (R204-206)
- 2 Casement windows in library (R101) & living room (R102) were varnished
- 3 Walls in pantry (R103), kitchen (R104), & rooms added in 1911 - butler's pantry (R105), dining room (R107), bathroom (R109), and dressing room (R110)
- 4 Woodwork in pantry (R103), kitchen (R104), & butler's pantry (R105)
- 5 Casement windows in library (R101), living room (R102), & dining room (R107) were varnished
- 6 Some portions of southwest bedroom (R204), west bathroom (R207), east bathroom (R208), & northeast bedroom (R211)

**WEIR STUDIO
CONJECTURED EXTERIOR CHROMOCHRONOLOGY**

Date	Siding Main Building	Siding Tower & Lean-to	Sashes	Doors	Trim Windows & Doorways
1885	red		dark green	red	red
C. 1901	red	red	white	dark green	dark green
C. 1934	red	red	white	light green	white
C. 1940	red	red	white	dk blue-green	white
1957	red	red	white	blue-green	white
1994	red	red	white	blue-green	white

**YOUNG STUDIO
CONJECTURED EXTERIOR CHROMOCHRONOLOGY**

Date	Main Siding South/East/West (Upper Wall & South of Ell)	Main Siding North Wall	Main Siding Lower West Wall	Ell Siding North Wall	Ell Siding West/South Wall	Doorways Doors/Trim	Windows Sashes/Trim
C. 1885*				red	red	red	white/red
1901-1915*				red	red	red	white/red
1932	white	white	white	white	white	white	white
1942	red	white	white	red	white	white	white
1957	red	red	white	red	white	white	white
1994	red	red	white	red	white	white	white

* Ell was former bindery built circa 1885; attached to main building of Young studio when latter constructed 1932.

PAINT SAMPLES and LOCATIONS

WEFA-01 - Weir House Exterior

<u>Number</u>	<u>Date</u>	<u>Elevation</u>	<u>Location</u>
P001	6/16/93	South	Porch - west side, column W-A (adjacent to steps)
P002	6/16/93	South	Porch - west side, column W-A, torus (base)
P003	6/16/93	South	Porch - west side, column W-A, plinth (base)
P004	6/16/93	South	Porch - deck, front edge above granite steps
P005	6/16/93	South	Porch - decking, 9th board from east edge near wall
P006	6/16/93	South	Porch - east side, half column E-E, torus
P007	6/16/93	South	Soffit - above window W213
P008	6/16/93	South	Clapboard - east of window W213
P009	6/16/93	South	Window W213 - surround
P010	6/16/93	South	Window W213 - side jamb
P011	6/16/93	South	Window W213 - sash
P012	6/16/93	South	Porch - east side, half column E-E
P013	6/16/93	South	Porch - east side, column E-D, torus (base)
P014	6/16/93	South	Wall - clapboard, under porch roof west of half column E-E
P015	6/16/93	South	Porch - decking, 5th board from east edge
P016	6/16/93	South	Wall - clapboard, east of porch half column E-E
P017	6/16/93	South	Window W118 - storm sash
P018	6/16/93	East	Porch - south side, fluted column
P019	6/16/93	East	Porch - south side, column torus (base)
P020	6/16/93	East	Doorway D1 - jamb, south side of doorway
P021	6/16/93	East	Doorway D1 - Dutch door, bottom half
P022	6/16/93	East	Doorway D1 - screen door, interior face
P023	6/16/93	East	Doorway D1 - surround, south side
P024	6/16/93	South	Porch - ceiling, fascia west of steps
P025	6/16/93	South	Porch - ceiling, soffit west of steps
P026	6/16/93	South	Wall - water table, west of porch
P027	6/16/93	South	Wall - clapboard, west of porch
P028	6/16/93	South	Porch - exterior vestibule
P029	6/16/93	South	Window W006-W007 - frame
P030	6/16/93	South	Window W006-W-007 - sash
P031	6/16/93	North	Window W213 - sash
P032	6/16/93	North	Wall - clapboard, east end of second story
P033	6/16/93	East	Wall - clapboard, 1911 dining room addition
P034	6/16/93	North	Wall - cornerboard, northwest corner, 1911 dining room addition
P035	6/16/93	West	Window W004 - sash, under porch deck
P036	6/16/93	West	Window W004 - frame
P037	6/16/93	West	Porch deck - apron fascia board
P038	6/16/93	West	Window 001A - frame, 1911 dining room addition
P039	6/16/93	North	Window W0002 - frame
P040	6/16/93	West	Doorway D3 - door, vertical boards

P041	6/16/93	North	Window W101 - sill
P042	7/93	?	Shutter (stored in barn), formerly on house
P043	7/93	?	Shutter (stored in barn), formerly on house
P044	7/93	South	Porch - ceiling board
P045	7/93	East	Doorway D1 - screen door, inside rail
P046	7/93	East	Doorway D1 - jamb
P047	8/93	East	Doorway D1 - screen door, interior face
P048	9/93	North	Wall - plat band, second story, east end
P049	9/93	North	Window W201 - sill of east window
P050	9/93	East	Window W119 (?) - surround
P051	9/93	South	Porch - decking, board to west of doorway D4
P052	9/93	South	Window W114-W115 - frame
P053	9/93	South	Window W117 - frame
P054	9/93	South	Porch - center/east column, entablature
P055	9/93	East	Porch - crown molding of cornice, east end
P056	9/93	South	Wall - clapboard, under porch (white)
P057	9/93	South	Porch - soffit of crown cornice molding, east end
P058	9/93	South	Porch - fascia of cornice, east end
P059	9/93	South	Wall - clapboard, east of doorway D1 (white)
P060	9/93	East	Doorway D1 - transom, soffit
P061	9/93	East	Porch - ceiling boards [had been scraped for repainting; white top layer, green visible underneath]
P062	9/93	South	C. 1900 column from south porch, stored in Weir studio lean-to (white)
P063	9/93	South	Pre-1900 column (smaller than the column in P062 – stored in studio lean-to); dark green top layer
P064	11/93	East	Wall - gable cornice, fascia (stored in barn)
P065	11/93	West	Wall - gable cornice, shelf board (stored in barn)
P066	11/93	West	Wall - gable return, fascia board to left of window (stored in barn)
P067	11/93	West	Window W111 - lower ledge of casing (behind storm window)
P068	11/93	West	Doorway D2 - frame
P069	11/93	West	Doorway D2 - door (green)
P070	11/93	West	Window W109 - sash; underside of meeting rail
P071	11/93	West	Window W110 - bottom ledge of surround
P072	11/93	West	Window W207 - sash, underside of meeting rail
P073	11/93	West	Wall - clapboard, first story, south end under window W112
P074	11/93	West	Wall - clapboard, first story
P075	11/93	West	Wall - southwest cornerboard, first story
P076	11/93	West	Window W112 - surround
P077	11/93	West	Window W109 - bottom ledge of surround
P078	11/93	West	Window W112 - sill
P079	11/93	West	Doorway D2 - surround
P080	11/93	West	Wall - clapboard, below window W110
P081	11/93	West	Wall - clapboard, below window W109
P082	11/93	West	Window W110 - surround
P083	11/93	West	Wall - clapboard, under window W109, north end

P084	11/93	West	Wall - northwest cornerboard of main house (c. 1888-1900)
P085	11/93	East	Wall - northeast cornerboard of 1911 bath/dressing room addition
P086	11/93	East	Wall - northeast cornerboard of main house
P087	11/93	East	Wall - southeast cornerboard
P088	11/93	East	Window W121 - surround
P089	11/93	West	Window W005 - frame
P090	11/93	West	Window W005 - upper sash
P091	11/93	North	Window W003 - surround
P092	11/93	North	Window W003 - upper sash
P093	11/93	South?	Balustrade handrail (stored in Weir studio woodshed; appears to be from c. 1900 south porch of house)
P094	11/93	South?	Column (green - stored in Weir studio woodshed; appears to be from pre-1900 south porch of house)
P095	11/93	South?	Column (white -stored in Weir studio woodshed; taller than green column, appears to be from pre-1900 south porch of house)
P096	3/95	West	Window W004 - upper sash
P097	3/95	South	Window W006 - sash
P098	3/95	South	Balustrade (stored in Weir studio woodshed; appears to be from 1900 south porch of house)
P099	3/95	Unknown	Sample from 1 of 16 window screens - 30"x 28 3/4"; traces of dark green paint; exterior molding; numbered but unknown source (14 in east wing of barn, 2 in Room 102 of Weir studio water tower - may be from Weir house before the present-day screens were installed)
P100	3/95	Unknown	Ditto
P266	9/93	South	Column - wood base (found ?)
P267	9/93	South	[no sample]
P268	9/93	South	Column (green; stored in Weir studio woodshed; appears to be from south porch; smaller diameter than extant porch columns)
P269	9/93	South	Column (white; stored in Weir studio woodshed: larger than column in P268)
P275	3/95	North	Window W202 or W203 - screen, clipped corners for roof slope (stored in barn)
P283	3/95	Unknown	Exterior (?) louvered shutter "E"; each panel 4' 10" x 1' 3 3/4" (stored in west wing of barn)
P284	3/95	Unknown	Exterior (?) louvered shutter "F"; dark green; each panel 40" x 15" (stored in west wing of barn)
P285	12/93	South	Porch - iron newel, east side of granite step
P286	12/93	South	Porch - iron newel, west side of step
P287	12/93	South	Porch - base of iron newel, west side of step
P288	10/93	South	Porch - 1/2 wood base of column found under decking (base for a half-round column, or piece of whole base)
P289	10/93	South	Porch - 1/2 wood base of column found under decking at west end
P290	10/93	South	Porch - portion wood base of column found under decking at east end

P291	4/95	South	Doorway D-4 - jamb, west side
P292	4/95	West	Porch - decking, west end
P293	4/95	South	Wall - clapboard, under porch (white)
P294	4/95	West	Doorway D2 - door
P295	4/95	East	Doorway D1 - Dutch door, lower leaf
P296	4/95	West	Doorway D2 - jamb
P297	4/95	East	Doorway D1 - door jamb
P298	4/95	South	Doorway D4 - Dutch door, lower leaf

WEFA-01 - Weir House Interior

<u>Number</u>	<u>Date</u>	<u>Location</u>
<i>Living Room - Room 102 West¹</i>		
P101	3/94	North wall - fireplace mantel
P102	3/94	West wall - north of window
P103	3/94	North wall - fireplace
P104	3/94	South wall - plaster adjacent to west edge of south window
P105	3/94	West wall - scrap of original green striped wallpaper behind radiator
P106	3/94	West wall - baseboard just north of window W112
P107	3/94	North wall - baseboard just east of closet
P108	3/94	South wall - baseboard just west of south entry door D-4
P109	3/94	South wall - baseboard under window W113
P110	3/94	North wall above closet
<i>Living Room - Room 102 East</i>		
P111	3/94	North wall - behind west edge of mantel shelf
P112	3/94	Ceiling - north side of room
P113	3/94	Window W117 - stoop
P114	3/94	Doorway D102B (closet) - lower leaf, top edge
P115	3/94	Doorway D102B (closet) - surround [looks newer than the door].
P116	3/94	North wall - baseboard between fireplace and closet
P117	3/94	North wall - plaster, west of fireplace (green)
P118	3/94	North wall - plaster (red), behind gilt brackets at doorway D102B surround.
P119	3/94	North wall - inside closet R102B
P120	3/94	North wall - plaster in-fill of panel on east side of fireplace
P121	3/94	East wall - baseboard south of door to library R101
P122	3/94	Doorway D4 - Dutch door, lower leaf
P123	3/94	Doorway D4 - Dutch door, upper leaf
P124	3/94	Ceiling - above closet, north side of room

¹The living room is a long narrow space that was originally called the sitting room or parlor (east end) and the breakfast room (west end); for expediency and to distinguish the earlier room from the later addition, the two spaces are labeled 102 west and 102 east.

Library - Room 101

P125	3/94	Doorway D1 (entry) - Dutch door - lower leaf
P126	3/94	Doorway D108 (to R108) - surround, plinth block on east side
P127	3/94	Doorway D1 (entry) - surround, plinth block on north side
P128	3/94	Doorway D1 (entry) - door, upper leaf
P129	3/94	Doorway D1 (entry) - transom, bead molding
P130	3/94	Ceiling - plaster (white)
P131	3/94	North wall - baseboard west of D108, quarter-round molding [at the bottom of the built-in cabinets]
P132	3/94	Doorway D1 (entry) - transom, frame (south side)
P133	3/94	Window W118 - sill
P134	3/94	South wall - baseboard behind radiator
P135	3/94	South wall - behind later cabinets and radiator

Kitchen - Room 104

P136	3/94	Doorway D2 (entry) - surround
P137	3/94	Window W110 - sash
P138	3/94	Window W110 - surround
P139	3/94	Doorway D2 - door, panel
P140	3/94	West wall - radiator
P141	3/94	West wall - wainscot south of doorway D2
P142	3/94	West wall - wainscot cap molding
P143	3/94	East wall - above stove (plaster)
P144	3/94	Ceiling panel - Cellotex [?]
P145	3/94	East wall - wood cornerbead between refrigerator and stove
P146	3/94	Ceiling - wood strips (1 3/8" wide)
P147	3/94	Doorway D105 (to R105) - surround

Butler's Pantry - Room 105

P148	3/94	West wall - built-on china cabinet
P149	3/94	Doorway D105 (to R104) - surround (no door)
P150	3/94	North wall - west of sink
P151	3/94	Doorway D107A (to R107) - jamb
P152	3/94	Doorway D107A (to R107) - door, panel
P153	3/94	Ceiling
P154	3/94	Window W106 - casement sash [1/1 in-swinging]
P155	3/94	North wall - iron brace under sink [creams/light green/white paint]
P156	3/94	North wall - east end, backboard under shelf [green/black/white paint]
P157	3/94	South wall - east end, radiator
P158	3/94	South wall - plaster [looks newer than north wall]
P159	3/94	South wall - baseboard
P160	3/94	Window W106 - stoop

Central Stair Hall - Room 106

P161	3/94	Ceiling
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Dining Room - Room 107

P162	3/94	East wall - north end
P163	3/94	North wall - baseboard
P164	3/94	Window W104 - sill [sideboard? - heavily painted black]
P165	3/94	North wall - plaster
P166	3/94	Ceiling - north end [plaster/cream/white paint]
P167	3/94	Doorway D107 (to R106) - surround
P168	3/94	South wall - baseboard west of fireplace
P169	3/94	South wall - west of fireplace
P170	3/94	Ceiling - south end, near fireplace
P270	9/94	Pre-1911 mantel - underside; found in attic of Weir Studio
P271	9/94	Pre-1911 mantel - right-hand top-side (see description on coin envelope).
P272	9/94	Pre-1911 mantel - upper face

Downstairs Bedroom - Room 108

P171	3/94	Ceiling
P172	3/94	West wall - fireplace mantel
P173	3/94	West wall - fireplace mantel, face
P174	3/94	Doorway D108A (to R110) - surround [cream/black paint]
P175	3/94	Doorway D108 (to R101) - surround
P176	3/94	South wall - baseboard west of door
P177	3/94	West wall - fireplace [cream/black paint]
P178	3/94	Window W120 - sash
P179	3/94	North wall - baseboard [cream/grey/black]
P180	3/94	East wall - plaster
P181	3/94	Window W120 - surround

First-Floor Bathroom - Room 109

P182	3/94	Window W102 - casement sash
P183	3/94	East wall - baseboard north of doorway D109 to dressing room
P184	3/94	South wall - plaster, near sink
P185	3/94	Window W102 - stoop [grey/black paint]

First-Floor Dressing Room - Room 110

P186	3/94	Dressing room - north wall
P187	3/94	Window W101 - sash
P188	3/94	East wall - near edge of mirror

Southwest Bedroom - Room 204

P189	3/94	North wall - fireplace mantel, molding below fascia (or frieze)
P190	3/94	Window W207 - stoop
P191	3/94	West wall - north end
P192	3/94	Window W208 - upper sash
P193	3/94	Doorway D204 (to R206) - surround
P194	3/94	Doorway D204A (closet) - door, inside face

Center East Bedroom - Room 202

P195 3/94 Cased southwest corner post

West Bathroom - Room 207

P196 3/94 Cased northwest corner post

East Hall - Room 210

P197 3/94 South wall

Northeast Bedroom - Room 211

P198 3/94 South wall - doorway D211B to R201, surround

P199 3/94 Window W216 - surround [white]

East Bathroom - Room 208

P200 3/94 East wall - upper cupboards
P201 3/94 East wall - lower cupboards [varnish, pale blue/cream/white paint]
P202 3/94 Doorway D208 (to R210) - surround
P203 3/94 North wall - adjacent to window W202
P204 3/94 Window W202 - surround
P205 3/94 South wall - wall board
P206 3/94 West wall - plaster

Basement Central Hall - Room 001

P207 4/94 South wall - wood partition between R003 & Rooms 004 and 005
P208 4/94 East wall - over patched wood lath, outside closet 001-A
P209 4/94 North wall - wainscot, cap molding
P210 4/94 East wall - north of chimney base, infill in earlier fireplace opening
P211 4/94 Doorway D003 (to R003) - door
P212 [see Room 107]
P213 4/94 North wall - enclosure of basement staircase
P214 4/94 North wall - upper wall at foot of stairs
P215 4/94 Doorway D001 (to R007) - framing sill above door
P216 4/94 Concrete floor [only painted floor other than the laundry room]
P217 4/94 Former porch column, now used as a support post in the R001
P218 4/94 East face of earlier sill, 7 1/2 feet east of west sill [see P215]
P219 4/94 East wall - chimney, to left of doorway D003 to R003; timber and stone, whitewashed or painted with latex
P220 4/94 East wall of staircase - at foot of stairs
P221 4/94 North wall - at foot of stairs [foundation for c. 1850 house]
P222 4/94 Doorway D001 (to R007) - door, north panel
P223 4/94 West wall - north of doorway to Room 007; hard plaster
P224 4/94 East wall - west face of chimney base
P225 4/94 East wall - circa-1850 mantel, horizontal brace
P226 4/94 North wall - stairs, tongue & groove paneling

P227	4/94	North wall - stairs, stringer
P228	4/94	East wall - circa-1850 mantel
P229	4/94	Support column at north end, near stairs (wood log)
P230	4/94	East wall - closet 001-A, ceiling
P231	4/94	West wall inside closet 001-A
P232	4/94	East wall - north end, tie beam over door of closet 001-A [whitewashed]
P233	4/94	Ceiling - first-floor boards northeast corner near Closet 001-A

Basement Southeast Room - Room 003

P234	4/94	East wall - east face of chimney base
P235	4/94	South wall - east face of north/south half wall
P236	4/94	South wall - east of north/south half wall
P237	4/94	South wall - west end
P238	4/94	North wall - south face of chimney base
P239	4/94	West wall - timber and stone framing
P240	4/94	North wall - south face of chimney base, parge over lath or timber
P241	4/94	Doorway D003 (to R001) - door, east face
P241	4/94	West wall - north of doorway D003, wood timber
P265	4/94	ditto

South Storage Room - Room 005

P242	4/94	Window W006A - surround (formerly exterior window)
P243	4/94	South wall - shelves (cream paint)
P244	4/94	West wall - stone (whitewash)
P245	4/94	Window W006A - security bars (second from bottom of three; the bottom one is missing)
P247	4/94	Window W006A - surround
P248	4/94	Window W006A - sash (4 horizontal lights) course)

Southwest Room - Room 006

P246	4/94	Window W006A - sash
P249	4/94	Ceiling
P250	4/94	South wall
P251	4/94	Window W006-W007 - surround
P252	4/94	Window W007 - sash

West Corridor - Room 007

P212	4/94	Doorway D001 (to R001) - door
P253	4/94	Doorway D007A (to R007) - frame
P254	4/94	Doorway D3 (entry) - door, east face
P255	4/94	Ceiling - north/south joist (whitewashed)
P256	4/94	South wall - T & G vertical-board paneling
P257	4/94	Doorway D3 (entry) - door, west face
P258	4/94	North wall - chimney base

Laundry and Furnace Room - Room 009

P259	4/94	Ceiling - NW corner
P260	4/94	Wall adjacent to furnace
P261	4/94	Window W004 - sash
P262	4/94	Wall adjacent to furnace - facing south (see photo)
P263	4/94	Flooring
P264	4/94	Ceiling - beam over furnace (creosote)

Unknown

P273	9/94	Wood panel (black glossy paint - stored in Weir studio woodshed)
P274	9/94	Leg of mantelpiece (stored in Weir studio woodshed)
P276 ²	3/95	Interior solid-wood shutter "A" - recessed panel
P277	3/95	Ditto - molding left side
P278	3/95	Ditto - right stile
P279	3/95	Ditto - reverse face
P280	3/95	Shutter "B" (red)
P281	3/95	Shutter "C" (gray)
P282	3/95	Interior solid-wood shutter "D" (red over white) - [there are three pairs of these shutters stored in west wing of barn: each panel on 2 of the pairs measures 4' 4 3/4" x 1' 1 1/4"; panel on other pair measures 4' 5 3/4" x 1' 1 1/4"]

²Samples P276-P281 taken from 7 pairs of hinged double-panel interior shutters used as ceiling in wagon shed of west wing of barn - see also **APPENDIX D - MOLDING PROFILES**).

WEFA-02 - Weir Studio Exterior

<u>Number</u>	<u>Date</u>	<u>Elevation</u>	<u>Location</u>
P002	9/93	West	Water tower - vertical-board siding
P003	9/93	North	Window W106 - frame
P004	9/93	North	Main building - vertical-board siding, under window sill
P005	9/93	East	Window W101 - sash
P006	9/93	East	Window W101 - sill
P007	9/93	East	Main building - vertical-board siding
P008	9/93	East	Doorway D1 (main building) - door (blue-green)
P009	9/93	North	Lean-to - vertical-board siding (looks new)
P010	9/93	South	Lean-to - vertical-board siding
P011	9/93	North	Lean-to - vertical-board siding
P012	9/93	North	Window W106 - sash
P013	9/93	West	Doorway D2 (water tower) - door
P015	9/93	East	Water tower - vertical-board siding
P016	9/93	South	Water tower - vertical-board siding
P017	7/94	East	Water tower - south bracket for former wood gutter
P018	7/94	East	Doorway D5 (water tower) - door (green on red paint)
P019	7/94	East	Wall - northeast corner, below gooseneck of downspout
P069	7/94	East	Wall - northeast corner, behind gooseneck
P070	7/94	East	Wall - plain fascia under eave
P071	7/94	East	Wall - water tower, below ghost of (removed) stairs
P072	7/94	East	Wall - water tower, at ghost of stairs
P073	7/94	South	Window W104 - water tower, sash
P074	7/94	East	Doorway D1 (main building) - surround, north side
P075	7/94	East	Window W101 or W102 - bottom frame
P076	7/94	East	Doorway D1 (main building) - door, frame
P077	7/94	West	Doorway D2 (water tower) - door, vertical-board panel
P078	7/94	East	Wall - main building, vertical-board siding south of doorway D1
P079	7/94	South	Lean-to - vertical-board siding
P080	7/94	East	Doorway D1 (main building) - door
P081	11/94	North	Window W107 - sash
P083	3/95	East	Water tower - original stair stringer (stored in woodshed; length 8' 6" x 1' 3/4"; risers 8" high; treads 8" deep)
P085	3/95	East	Water tower - c. 1958 stair balustrade & corner landing rail (stored in Weir barn)
P094	4/95	South	Window W104 - sash
P095	4/95	South	Window W103 - frame

WEFA-02 - Weir Studio Interior

<u>Number</u>	<u>Date</u>	<u>Location</u>
<i>Studio - Room 101</i>		
P020	9/93	Doorway D1 - header
P021	9/93	Doorway D1 - door
P022	9/93	Ceiling - tie beam, north face
P023	9/93	Ceiling - plaster slope, 11" down from horizontal portion of ceiling
P024	9/93	Ceiling - plaster slope near horizontal portion of ceiling
P025	9/93	Flooring
P026	9/93	Window W107 - frame
P027	9/93	East wall - plaster
P028	9/93	East wall - soffit of plate board
P029	9/93	Ceiling - T & G boards of horizontal portion (tan/green/blue paint)
P030	9/93	Ceiling - composition star on east side of horizontal portion, north of cross timber
P032	7/94	Wall - northeast corner, heat guard, top edge (white paint)
P033	7/94	West wall - vertical-board paneling above doorway D103
P034	7/94	Doorway D103 - header (extends across boarded-up windows, grey over green paint)
P035	7/94	Window W108 - horizontal beaded boards blocking opening
P036	7/94	East wall - vertical board acting as shelf support (not original - 2"x 3" x 77" high; single stripe of green)
P037	7/94	East wall - 2-board shelf, underside of forward board (1"x 9-1/2" deep; shelf 1' 5 1/2" deep by 17' long)
P038	7/94	East wall - lower of double shelf, front edge (green)
P039	7/94	West wall - lower of double shelf, north of stove (black; shelves have wooden brackets, similar to east-wall shelves)
P040	7/94	Window W107 - frame
P041	7/94	Doorway D103 - surround
P042	7/94	Doorway D103 - door
P050	7/94	Window W107 - sash
P051	7/94	Window W106 - lower sash
P052	7/94	Window W105 - sash
P053	7/94	Window W102 - frame
P054	7/94	West wall - south bracket of upper shelf, north of stove
P055	7/94	Window W102 - sash
P056	7/94	West wall - upper shelf, north of stove
P057	7/94	West wall - lower shelf, north of stove
P058	7/94	East wall - baseboard, north of doorway D1
P059	7/94	Window W101 - sash
P060	7/94	Window W101 - frame
P061	7/94	East wall - north bracket of shelf under window W101
P062	7/94	East wall - lower wall, north of doorway D1
P063	7/94	North wall - baseboard at east end
P064	7/94	Window W204 - sash

P065	7/94	Flooring - northeast corner at former location of stove
P066	7/94	Window W105 - frame
P067	7/94	Window W106 - frame
P068	7/94	East wall - south shelf bracket (upper or lower?)
P086	3/95	Window W107 - sash
P087	3/95	North wall - T & G paneling around and to right of window W204 (boards approximately 1' 2" high, painted gray; patching associated with installation of 1899 windows?)
P088	3/95	Window W204 - sill (no paint on frame or surround)
P089	3/95	Window W204 - sash
P091	3/95	Doorway D103 - door (grained)
P093	3/95	Window 303 - frame (louvered window at interior gable)

Water Tower First Floor - Room 102

P082	3/95	North wall (red; former south exterior elevation of main building)
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Storage Room - Room 103

P031	9/93	East wall - siding, below boarded-up window W108
P090	3/95	Doorway D103 - door (grained)
P092	3/95	Doorway D103 - door

Woodshed - Room 104³

P001	9/93	Loose splinter found on floor of woodshed lean-to
P014	9/93	East wall - vertical-board siding (red; former exterior west elevation of main building)
P084	3/95	East wall - vertical-board siding (red; below balcony)

Water Tower Second Floor - Room 201

P043	7/94	Window W201 - sash
P044	7/94	West wall - exposed interior surface of exterior siding (white)
P045	7/94	North wall - vertical-board siding (white on red; former south exterior elevation of the main building)
P049	7/94	Doorway D5 - jamb

Water Tower Third Floor - Room 301

P046	7/94	Window W303 - lintel (on former south exterior elevation of main building)
P047	7/94	Window W301 - sash
P048	7/94	North wall (former south exterior elevation of main building)

³Stored in the woodshed are 7 large white columns, one half-round large white column, and one narrower green column, from extant and former south porches of Weir house (see **Weir House - Exterior**).

WEFA-03 - Young Studio Exterior

<u>Number</u>	<u>Date</u>	<u>Elevation</u>	<u>Location</u>
P001	9/93	West	Main building - vertical-board siding
P002	9/93	West	Ell - doorway D3, doors
P003	9/93	North	Main building - vertical-board siding
P004	9/93	South	Main building - doorway D1, door
P005	9/93	South	Ell - window W101, frame (white paint over green)
P006	9/93	South	Ell - bulkhead doorway D2, door (white paint over green)
P007	9/93	South	Ell - window W102, frame
P008	9/93	South	Ell - window W102, sash
P009	9/93	South	Main building - doorway D1, frame
P010	9/93	South	Ell - vertical-board siding (10-12" wide)
P012	9/93	South	Main building - vertical-board siding (7 1/4" wide)
P014	9/93	West	Main building - vertical-board siding (lower part of wall painted white, upper part painted red)
P015	9/93	North	Ell - window W103 (?), frame
P016	9/93	North	Ell - window W103 (?), sash
P017	9/93	North	Ell - window W103 (?), sill
P018	9/93	South	Ell - vertical-board siding (white)
P019	9/93	North	Main building - window W109 (?), storm window sash
P020	9/93	North	Main building - window W109 (?), sill
P021	12/93	West	Ell - vertical-board siding (red)
P022	12/93	South	Ell - vertical-board siding at main building west wall
P023	12/93	North	Ell - vertical-board siding (white, no red paint seen)
P024	12/93	East	Main building - vertical-board siding, north end (red)
P025	12/93	West	Main building - vertical-board siding (white)
P026	12/93	East	Main building - vertical-board siding, south end (red)
P027	12/93	West	Main building - vertical-board siding at south wall of ell
P028	7/94	North	Main building - northwest corner behind downspout (lower part where the new downspout diverts outward)
P029	7/94	South	Main building - southwest corner behind downspout (old nail holes for previous downspout)
P030	7/94	South	Main building - southeast corner (no downspout nail holes)
P031	7/94	South	Main building - vertical-board siding
P032	7/94	North	Ell - window W104, sash (muntin)
P033	7/94	North	Main building - vertical-board siding, west end (ghost of downspout)
P034	7/94	North	Ell - window W104, surround
P035	7/94	North	Ell - dormer window W203, frame
P036	7/94	North	Ell - dormer window W203 - sash
P037	7/94	North	Main building - window W206
P038	7/94	North	Ell - vertical-board siding, near northwest downspout
P039	7/94	North	Ell - window W105 - frame
P040	7/94	North	Ell - window W105, sash (white paint on green)
P041	7/94	North	Ell - vertical-board siding, below gutter (white paint on red)
P042	7/94	North	Main building - vertical-board siding, first story

P043	7/94	North	Main building - window W111, storm window
P043	7/94	North	Main building - vertical-board siding, mezzanine level
P044	7/94	North	Main building - vertical-board siding, mezzanine level
P045	7/94	North	Main building - wall, fascia board behind gutter (ghost of bracket?)
P046	7/94	South	Ell - vertical-board siding under 1934 label for lightning rod installation
P047	7/94	South	Ell - vertical-board siding, near lightning rod cable & west wall of main building
P048	7/94	East	Main building - vertical-board siding (red; white visible in cracks)
P049	7/94	South	Main building - vertical-board siding (red paint on white)
P050	7/94	West	Main building - window W107-W108, storm window sash
P051	7/94	West	Main building - W107-W108, frame
P052	7/94	West	Main building - doorway D4, north leaf, second strap hinge from bottom
P053	7/94	West	Main building - doorway D4, south frame at juncture with north wall of ell
P054	7/94	West	Main building - bargeboard, north end, underside edge
P055	7/94	West	Main building - bargeboard, north end, east face
P056	7/94	West	Main building - bargeboard, north end, west face
P057	7/94	North	Ell - window W103, frame
P058	7/94	North	Ell - window W106, frame
P059	7/94	West	Main building - vertical-board siding, first story
P060	7/94	West	Main building - window W107, frame
P061	7/94	West	Main building - D4, door
P062	7/94	North	Ell - vertical-board siding, below window W103
P063	7/94	North	Ell - siding above windows at edge of downspout
P064	7/94	North	Main building - window W112, frame
P065	7/94	North	Ell - window W105, frame
P066	7/94	North	Main building - vertical-board siding below window W112
P067	7/94	North	Ell - vertical frame board between windows W104 & W105
P069	7/94	North	Main building - window W110, frame
P070	11/94	West	Ell - patch below W202 (header of D3)
P071	11/94	West	Ell - horizontal clapboard in gable (south of patch under W202)
P072	11/94	West	Ell - vertical-board siding, below gable clapboards
P073	11/94	South	Ell - window W102, header
P074	11/94	West	Ell - window W202, sill
P075	11/94	West	Ell - window W202, sash
P076	11/94	North	Main building - window W207, muntin
P077	11/94	North	Main building - window W206, muntin

WEFA-03 - Young Studio Interior

<u>Number</u>	<u>Date</u>	<u>Location</u>
<i>Studio - Room 101</i>		
P068	7/94	East wall - top of free-standing cabinet; leaning against wall
P078	11/94	Skylight W306 - glazing
<i>Etching Room - Room 102</i>		
P011	9/93	Window W102 (?) - sash (white)
P013	9/93	Window W102 (?) - frame (black)
P079	11/94	Wall - beaded wainscot, above doorway D101
P080	11/94	Window W106 - sash (?)

APPENDIX F
MORTAR ANALYSIS

OBJECTIVE

The purpose of this mortar analysis is to provide supporting evidence and documentation for the Historic Structure Report on the Weir house, the Weir studio, and the Young studio.

Mortar fabric of the Weir complex consists primarily of foundations and chimneys of the major structures. The foundation of the Weir House is mortared ashlar granite on the east end and mortared granite fieldstone for the remainder of the house and for the east and south porches. The Weir Studio foundation is primarily dry-laid stone. The Young Studio has a low, mortared, granite fieldstone foundation under the main building and a mortared fieldstone foundation for the ell basement and bulkhead walls.

METHODOLOGY

Approximately forty mortar samples were removed from the interior and exterior foundations and chimneys of the Weir house, the Weir studio, and the Young studio between September 1993 and March 1995. Each sample was placed in a zip-lock plastic bag and labeled using a system derived from the National Park Service's Integrated Research Organization System (IROS). This system provides a four-part code that identifies the site, the structure, the sample type, and the sample number. Thus, for example, a mortar sample with the code number **WEFA-01-M001** is mortar sample (**M**) number "1" (**001**) taken from the Weir house (**WEFA**).

Mortar analysis was carried out in the mortar laboratory at the BCB's laboratory in Lowell, Massachusetts. Each sample was pulverized using a mortar and pestle. Approximately 20 grams of pulverized sample were then weighed out, swirled in a solution of diluted hydrochloric acid (HCl:H₂O = 1:5) and separated into sands and fines components.⁴ The color of the liquid filtrate resulting from the separation process was noted for each sample and the sand and fines components were dried. After drying, the sands and fines were weighed and a calculation was made of the approximate weight of acid soluble materials that had been present in the sample. The color of the sands and fines were noted, and the fines were color-matched using the Munsell Color Notation System for mortar.

Based on the results of the analysis, samples were grouped by shared characteristics and given relative dates. A summary of this information is provided in the following section and is incorporated into the text. A list of the mortar samples removed from the three structures and the locations from which they were taken can be found at the end of this appendix.

⁴Fines are the HCl-insoluble residues or sample impurities that were originally components of the mortar (e.g., clay, silica magnesia, extra-fine sand, colorant, etc.).

ANALYSIS - WEIR HOUSE

Exterior

Overview

Most of the mortar found on the exterior of the Weir house is of two types: a soft sand-lime mortar that dates to 1900 and which is found mostly on the west end of the house and on the porches; and a hard Portland cement mortar that dates to 1911 (and possibly 1933) and which is mostly found as pointing mortar on the 1911 additions and as repointing mortar on the ashlar-granite facing used on the east end of the house in 1900. No earlier mortar is visible on the exterior foundation; the pre-1883 foundation has been faced for a more formal appearance, and the circa-1888 west addition has been covered by the 1900 Platt expansion.

The ashlar-granite look on the foundations at the east end of the house (historically the public facade) seems to have first been used during the 1900 Platt alterations when the original foundation was faced with ashlar-granite blocks. The ashlar-granite theme was continued in 1911 when McKim Mead & White enlarged the dining room and added the dressing room and butler's pantry. While a soft sand-lime mortar (**Type A**) was used for the 1900 foundation work, a hard Portland cement mortar (**Type B**) was used for the 1911 work. It is not known why two such different mortars were chosen to be used on the same masonry material in the relatively short time span between 1900 and 1911, especially since Portland cement had been commonly available in the United States since 1890 and would have been appropriate to use with the hard granite blocks. It is possible that in 1900 Platt was trying to maintain the older ambiance of the house with a warmer-appearing sand-lime mortar. By 1911 the Portland cement hard mortar was a natural choice for the dining room addition because of the prominence of the long stretch of ashlar granite foundation on its east elevation and of the need for matching strength in the mortar -- both technically and visually. The mix was also used to repoint the earlier foundation southward along the east elevation to connect that section of the house visually with the additions.

Type B mortar is also found on the 1932 foundation of Young Studio; this mortar may have been used to replicate the 1911 mortar for purposes of convenience and/or stylistic consistency. While not thought likely, a similar mix may have been used in patching and repointing portions of the Weir house foundation in 1932.

Analysis Results

South Elevation

The foundation at the east end of the south elevation supports the earliest part of the house and dates to before Weir's purchase of the farm in 1883. The foundation is faced with ashlar granite blocks installed in 1900 in which two types of mortars were found: a gray-color soft mortar that is thought to date to 1900 (Type A), and a gray-color, hard, Portland cement mortar that probably dates to 1911 (Type B).

The south porch foundation dates to 1900 and consists of mortared fieldstone rubble with Type A mortar pointing. Some areas have been repointed in Type B and later mortars. The south-elevation

foundation of the house west of the porch dates to 1900 and consists of mortared fieldstone rubble pointed with Type A mortar.

The south elevation of the small east porch is composed of mortared fieldstone rubble pointed with Type A mortar, with some areas repointed or patched with Type B mortar.

West Elevation

The foundation of the west elevation of the main house is fieldstone rubble that dates to the 1900 Platt addition and is pointed with Type A mortar. Areas of repointing, notably along the top of the foundation and around and just below the west porch deck, consist of Type B mortar dating to 1911 or later.

The west elevation of the 1911 dining room addition is pointed with Type B mortar with standing joints in a "strap-like" pattern that simulates the more formal appearance of ashlar granite on the east elevation foundation. The strap pointing technique was used in an attempt to visually square off the fieldstones, thus making them appear more rectangular and providing a better match to the ashlar granite foundation on the more formal east facade.

North Elevation

The 1900 kitchen foundation at the west end of the north elevation consists of mortared fieldstone rubble similar to that on the west elevation, with Type-A mortar pointing and areas of repointing done with Type B mortar.

The foundation of the 1911 pantry addition has a fieldstone rubble foundation pointed with Type B mortar. Some areas have been repointed using a post-1957 Type C mortar. The foundation on the north elevation of the 1911 dining room addition is composed of mortared fieldstone rubble with standing joints scored in a "strap-like" pattern similar to that on the foundation of the dining room addition's west elevation. The foundation was pointed using Type B mortar, and there are no areas of repointing.

The north elevation of the 1911 bathroom/dressing room addition has the more formal-looking foundation of mortared ashlar granite; it is pointed with mortar type B that has been smoothly scored. The foundation for the north elevation of the east porch is composed of mortared fieldstone rubble pointed with 1900 Type A mortar, with some areas of 1911 Type B mortar repointing.

East Elevation

The foundations of the east elevations of the 1911 dining room addition and the 1911 bathroom/dressing room addition are composed of mortared ashlar granite pointed with Type B mortar that has been smoothly scored.

The east-facade foundation walls south of the 1911 dining room and bathroom/dressing room additions (except the east elevation of the south porch) support the earliest part of the house and date to before 1883. The foundation is faced with mortared ashlar-granite facing that dates to 1900; it is pointed using the 1900 Type A mortar and is repointed using 1911 Type B Portland cement mortar.

The east elevation of the south porch is composed of mortared fieldstone rubble that is pointed with 1900 Type A mortar and repointed with Type B and miscellaneous later mortars.

Interior

Overview

Many of the interior walls of the Weir house basement are the existing or former exterior foundation walls of the house, and are composed of are mortared fieldstone or granite rubble. Some of the walls been parged, whitewashed or painted.

Several mortar types were found on the interior basement walls of the Weir house, reflecting the house's growth in at least five stages from its construction to the 1911 additions. Physical investigation of the basement rooms produced evidence that a number of the interior walls are comprised of what at one time had been exterior foundation walls--primarily those found in Rooms 001, 003, 004, 005 and 009. This theory is substantiated by evidence derived from mortar analysis, the findings of which have permitted relative dating for some of the structural evolution of the house.

Analysis Results

All mortar samples removed from the Weir house basement proved to be soft sand/lime mortars. Some additional softening of the mortars most likely occurred as a result of environmental conditions such as the leaching of lime through efflorescence. **Types E and F** are the earliest mortars, dating to before 1860. These mortars are distinguished by their high lime content, light-tan color, and fine-grained aggregate. The two groups are differentiated by sands color and by the presence or absence of horse hair. None of the interior mortar from accessible foundation walls post-date 1900. The foundation walls for the 1911 additions probably have a different mortar type, but they support crawlspaces that are inaccessible from the interior for sampling.

ANALYSIS - YOUNG STUDIO

The Young Studio foundation is composed of mortared fieldstone rubble on all elevations of the main building and of the ell. The north-wall foundation is almost invisible except at close range due to a rising grade. The ell foundation also includes bulkhead side walls.

Three mortar samples were removed from the studio foundation in 1994. All three samples were similar in appearance to the 1911 mortar on the Weir House foundation, and analysis of the Young studio samples revealed that they are of a similar Portland cement mix. The mortar used on the studio may have been chosen to match that on the house, both for practicality and stylistic consistency. Portland cement would have been typically used in mortars of both periods.

All three mortar samples from the Young studio can be categorized with the 1911/1932 Group Type B mortar samples from the Weir house.

MORTAR SAMPLES and LOCATIONS

Weir House Exterior Foundation

<u>Number</u>	<u>Date</u>	<u>Elevation</u>	<u>Location</u>
WEFA 01 M001	11/93	South	East end - near southeast corner
WEFA 01 M002	11/93	South	East end - newer patch
WEFA 01 M003	11/93	East	South porch
WEFA 01 M004	11/93	South	South porch - west of steps
WEFA 01 M005	11/93	West	South porch
WEFA 01 M006	11/93	West	South porch - patch
WEFA 01 M007	11/93	South	West of porch
WEFA 01 M008	11/93	North	West of 1911 dining room addition
WEFA 01 M009	11/93	North	1911 dining room addition
WEFA 01 M010	11/93	East	1911 dining room addition
WEFA 01 M011	11/93	East	South of 1911 dressing room addition (original part of house)
WEFA 01 M012	12/93	North	East porch
WEFA 01 M013	11/93	East	1911 dressing room - adjacent to corner near water table
WEFA 01 M014	9/93	South	South porch - plaster under ceiling boards, west of steps
WEFA 01 M015-M019			[no samples]

Weir House Interior Foundation

<u>Number</u>	<u>Date</u>	<u>Location</u>
<i>Southeast Room - Room 003</i>		
WEFA 01 M020	4/94	East wall - south end
WEFA 01 M021	4/94	West face of north/south half-wall that abuts south wall
WEFA 01 M022	4/94	North wall - chimney base
WEFA 01 M023	4/94	North wall - inside wire mesh partition, chunk of mortar on floor below former exterior window
WEFA 01 M024	4/94	West wall - near doorway D003 to R001, parged
<i>Central Hall - Room 001</i>		
WEFA 01 M025	4/94	East wall at foot of stairs

South Storage Room - Room 005

WEFA 01 M026 4/94 West wall below window W006A

Southwest Room - Room 006

WEFA 01 M027 4/94 South wall - window W006, west reveal

West Corridor - Room 007

WEFA 01 M028 4/94 North chimney wall
WEFA 01 M029 4/94 North wall - west of chimney, plaster on lath

**Young Studio
Exterior Foundation**

<u>Number</u>	<u>Date</u>	<u>Elevation</u>	<u>Location</u>
WEFA 03 M001	11/93	South	East end - west of doorway D1
WEFA 03 M002	12/93	South	E11 - bulkhead interior west wall
WEFA 03 M003	12/93	South	E11 - bottom, near junction with main studio

APPENDIX G
ARTIFACTS ANALYSIS

OBJECTIVE

The purpose of the artifacts analysis is to provide supporting evidence and documentation for the volume I of the Weir Farm Historic Structures Report. The findings of the analysis were used to assist in the relative dating of various features of the Weir house, Weir studio, and Young studio.

The artifacts analysis consists primarily of taking samples or collecting selected pieces of building fabric that were salvaged during the restoration and/or stabilization of structures on the Weir property, or samples that were collected for mortar and paint analysis (see **APPENDIX E - PAINT ANALYSIS and APPENDIX F - MORTAR ANALYSIS**). There is also a large quantity of salvaged building fabric from the three buildings as a result of 1992-93 stabilization and restoration work that was done by the National Park Service. This material is now in WEFA NHS storage.

The following section lists the artifacts collected from the Weir house, Weir studio, and Young studio and the locations from which they were removed.

ARTIFACT NUMBERS and LOCATIONS

Weir House - WEFA-01 Exterior

<u>Number</u>	<u>Date</u>	<u>Object</u>	<u>Location</u>
A001	10/93	Part of column base	Under south porch - west end
A002	10/93	5-inch wire nail	In A001
A003	10/93	Part of column base	Under south porch - west end
A004	09/93	Cut nails pieces	East porch - north column, attaching filler block
A005	09/93	Pieces of wire nails (3)	East porch decking
A006	10/93	Portion of column base	Under south porch - east end
A007	1993	Metal leader from flashing	East porch at old downspout location; found on roof sheathing
A008	10/93	Piece of iron finial	South porch steps
A009	1993	Tacks	East screen door, under current screen
A010	1993	1815-35 cut clapboard nails (26)	South elevation - east end, first- story clapboards
A011	1993	Shutter pintle	Under east porch roof
A012	1993	2 1/4-inch modern cut nails	South porch - steps decking
A013	1993	1 1/2-inch wire nails	East porch - roof shingles
A014	1993	Wire nails	Southeast corner - clapboards
A015	1993	2 1/4-inch cut & wire nails	Southeast corner (1st story) - clapboards
A016	1993	Pin hinges & post-1845 screws	South elevation - basement windows 006-007
A017	1993	C. 1835 cut sheathing nail	East porch - roof sheathing
A018	1993	1815-35 cut nails (3)	East gable - cornice, crown molding
A019	1993	Wire clapboard nails	1911 dining room - 1st story
A020	1993	1815-35 cut nails (3)	East gable - cornice, fascia
A021	1993	Tops of rusted cut nails (2)	South elevation - clapboards above porch
A022	1993	Bottoms of 2 wire nails	South elevation - west end, sheathing
A023	1993	Tin downspout strap (wire nail)	1911 dining room - northeast corner
A024	1993	Tin downspout strap	Northwest corner (1-story portion of kitchen)
A025 & A026		[see Weir House Interior, below]	
A027	09/93	Bead molding	East gable - cornice
A028	1993	1815-35 cut nails (3)	East gable - fascia

**Weir House - WEFA-01
Interior**

<u>Number</u>	<u>Date</u>	<u>Object</u>	<u>Location</u>
A025	04/94	Iron "S" hook 4 1/4" x 2"	Room 004 - hanging from ceiling
A026	04/94	Rose-head wrought nails	Room 003 - beam, east face of chimney

**Weir Studio - WEFA-02
Interior and Exterior**

A001	09/93	Composition star	Room 101 - ceiling, north of cross timber at east side of studio [see WEFA 02 P030]
A002	09/93	Loose splinter, painted green	Room 104 (woodshed) - on floor [see WEFA 02 P001]
A003	07/94	3 wire nails	Main roof
A004	07/94	Modern cut nails	Main roof - east slope at eaves, shingles & sheathing
A005	06/94	Shingle (piece)	Tower roof - from underside
A006	06/94	Shingle (piece)	Main roof
A007	06/94	Water trough bracket	Water tower - east elevation
A008	06/94	18" red cedar shingle	Main roof
A009	?	Post-1835 cut shingle nails	Main roof - west slope, original shingles near chimney

Unnumbered Artifacts Stored at Weir Farm

<u>Date</u>	<u>Object</u>	<u>Location</u>
03/95	Stringer from original water tower stairs	Weir studio woodshed
03/95	Stringer from post-1957 water tower stairs	Weir barn - east loft
03/95	Balustrade from post-1957 water tower stairs	Weir barn - east loft

Young Studio - WEFA 03

<u>Number</u>	<u>Date</u>	<u>Object</u>	<u>Location</u>
A001	06/94	Wood shingle	E11 - north elevation, west cheek wall of dormer
A002	06/94	Wood shingle	E11 - north elevation, east cheek wall of dormer
A003	06/94	Wood shingle	E11 - north elevation, west cheek wall of dormer
A004	06/94	Wood shingle	E11 - north elevation, west cheek wall of dormer

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Public Records

Ridgefield, Connecticut. Probate Court, District of Ridgefield:

File #186: Inventory, estate of Lewis Beers, dated 1860-61.

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Drawings and Plans

"Alterations in House of Mr. J. Alden Weir, Esq , at Branchville, Conn. [1900], Charles A. Platt, Architect, New York." Includes floor plans for basement, first floor and second floor, and exterior elevations. Collection of Doris and Sperry Andrews, Branchville, CT; copies at Weir Farm NHS archives.

"Alterations to House for Mr. J. Alden Weir, Esq., Branchville, Conn. 3/14/11, F.J.A. [Frederick J. Adams, of McKim, Mead & White]". Includes first floor plan and north exterior elevation. Collection of Doris and Sperry Andrews, Branchville, CT; copies at Weir Farm NHS archives.

Measured Drawings of Weir House, Weir Studio and Young Studio, 1995. Building Conservation Branch/Northeast Cultural Resources Center, National Park Service - Northeast Region.

Personal Interviews

Anargyros, Spero, taped interview. [Spero Anargyros was the studio assistant of Mahonri M. Young at Branchville, CT.]

Andrews, Doris and Sperry, taped interview, Branchville, CT, March 16, 1989 (Weir Farm NHS).

Andrews, Doris and Sperry, taped interview by Connie Evans, Branchville, CT, 1991 (Weir Farm NHS).

Andrews, Doris and Sperry, interview with Marie Carden and Richard Crisson, April, 1994, Branchville, CT (Weir Farm NHS).

Burlingham, Charles, taped interview, Cambridge, MA, March 17, 1989 (Weir Farm NHS). [Charles Burlingham is the son of Charles Burlingham, Sr. and Cora Weir Burlingham, daughter of J. Alden Weir.]

DeForest, Bill, taped interview, August 7, 1989, Branchville, CT. (Weir Farm NHS). [Mr. DeForest is a Nod Hill Road neighbor in Wilton, CT.]

Meyer, Ray, interview with Marie Carden, December, 1993, Branchville, CT, (Weir Farm NHS). [Mr. Meyer is the son of the late Charles Meyer, of Charles Meyer Builders, a company that operated in Wilton, CT during the 1930s.]

Young, Mahonri Sharp "Bill", taped interview, August 7, 1989, Branchville, CT. [Bill Young is Mahonri MacIntosh Young's second child and only son.]

Young, Mahonri Sharp "Bill" and Andrews, Doris and Sperry, interview with David Wallace, January 7, 1993, Branchville, CT (Weir Farm NHS).

Young, Mahonri Sharp "Bill", Charles Lay, George Lay, Mahonri M. Young, II, interview August 7, 1989, Branchville, CT, (Weir Farm, NHS). [Mahonri M. Young, II is "Bill" Young's son; Charlie Lay is Oliver Lay and Agnes Young Lay's son; George Lay is Oliver Lay's brother.]

Zaitzevsky, Cynthia, interview with Doris and Sperry Andrews, April 1994, Branchville, CT (Weir Farm NHS).

Zaitzevsky, Cynthia, telephone interview with Charles Lay [date ?].

Photographs/Slides

Weir Farm NHS, color slides of works of art; paintings and graphics by J. Alden Weir, Caroline Weir Ely, Dorothy Weir Young and Mahonri M. Young.

Weir Farm NHS archives, historic photographs from Weir family albums.

Weir Farm NHS, photographic copies of works of art by Mahonri M. Young, Brigham Young University, Museum of Fine Arts.

